UNIVERSITY OF LONDON

UNIVERSITY COLLEGE ANNUAL REPORT 1956-1957

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OFFICERS OF THE COLLEGE

CHAIRMAN OF THE COLLEGE COMMITTEE

THE RIGHT HON. LORD COHEN

VICE-CHAIRMAN OF THE COLLEGE COMMITTEE AND TREASURER

SIR FREDERICK JAMES, O.B.E.

PROVOST

SIR IFOR EVANS, D.LIT.

SECRETARY

E. A. L. GUETERBOCK, M.A.

REPORT OF THE CHAIRMAN OF THE COLLEGE COMMITTEE AND THE PROVOST

The year was the last of the old quinquennium. Little development was possible in any plans requiring recurrent expenditure for new posts or equipment as the income of the College, like that of so many other University Institutions, had been overtaken by increases in prices.

The income of the College rose to £1,264,980 including a grant from the Court of the University of £1,063,251. This grant is a consolidation of the College's share both of the University Grants Committee's grant and of the grants from the London County Council and the Home Counties. The income showed an overall increase of £68,000. Of this £55,000 was represented by an increase in the Court Grant, and about £9,000 by an increase in student fee income, mainly as the result of an interim step in the introduction of a system of unified and revised fees for the Schools and Colleges of the University to be effective from 1957–58. Total expenditure increased by £87,000. Costs of wages, goods, and services increased. A new scale of wages for technicians was introduced in May 1957, the full effect of which will be felt in 1957–58. As a result of the pressure of these increased costs, the financial year inevitably closed with a deficit of £14,500. It is satisfactory to record, however, that the quinquennium itself closed with a deficit of no more than £2,455.

Fortunately, many of the Departments are able to obtain research grants for special projects from a large variety of bodies. In all £97,000 has been obtained for 170 such projects. This, however, does not compensate for the absence of general funds, through which younger research workers might have been encouraged. Nor does it admit the planning of research work, often of a fundamental character, which is not of a nature to attract outside grants.

The College had hoped that the University Grants Committee grant awarded for the new quinquennium would permit of at least some steps being taken to carry out the carefully prepared plans for increased academic staff and equipment. The announcement of the grant at the close of the session was therefore a most severe disappointment. The grant for 1957–58 was £1,165,000 and preliminary examination showed that this would permit of no academic expansion

whatsoever and would further necessitate a substantial cut in the sums budgeted for essential maintenance.

On the development of College buildings there is important progress to report.

The erection of the Biological Sciences Block is proceeding under the direction of Professor Corfiato. The building, which adjoins the Medical Sciences Building on the Gower Street front, will house the departments of Biochemistry, Biophysics, Botany, and Anthropology. It is being erected in several stages, and it is expected that the first stage will be ready for occupation late in 1957 and the second stage in 1958. The erection of a further stage will commence before the end of 1957, and yet another stage is expected to start in 1958.

Much work was achieved during the session in the planning of the new Engineering Building, to which Industry and other donors contributed over £371,000. This is to be built on the site to the south of the Biological Sciences Block with frontages to Gower Street and Torrington Place. This building also will have to be built in stages. The planning of the first stage is well advanced and building work should start in the near future. The first stage will cost some £500,000, to be met from the funds raised by the College from Industry and a grant from the University Grants Committee through the Court of the University. The cost of the whole building will be over £2,000,000.

Plans have been prepared and work will shortly start on the erection of the second stage of the Animal House which is situated to the south-east of the Medical Sciences Building. Conversion of the Seamen's Hospital on the corner of Gordon Street and Gower Place is progressing satisfactorily and completion is expected in 1958. This building will afford accommodation for the Student's Union, will house the whole of the Department of Mathematics, and will provide theatres and laboratories for the Department of Physics and more accommodation for the Department of Chemical Engineering. One object of this conversion scheme is to release a central space in the College for the construction of a Refectory to replace the present temporary and unsatisfactory students' refectory. No grant has yet been made available for this purpose. The College was, however, enheartened by a grant of £20,000 from Sir Simon Marks on behalf of Marks and Spencer, Limited. It is felt that this may result in priority being given to this very necessary project and that it may also encourage other benefactors. The adaptation of 33 and 35 Torrington Place for the use of the Faculty of Laws was completed in time for the Faculty to leave Foster Court and take possession of these premises at the beginning of the session 1957–58. 27 Cartwright Gardens has

been adapted for use as an annexe to the men students' hall of residence at Bentham Hall and was ready for occupation at the end of the long vacation of 1957. Under the direction of R. C. White-Cooper a tea pavilion and groundsman's house are being built at the Shenley Sports Ground, and will be completed in January 1958.

There has been a capital expenditure of £280,000 on construction during the session. This was concentrated mainly on the new Biological Sciences Block (£174,000), the balance being spent on other smaller developments. This expenditure was met from capital grants from the Court of the University.

The total number of students, 3,574, although only slightly greater than in the session 1955–56, showed a further increase of 83 in the full-time category. There was a decline in the number of part-time students, the total falling from 839 to 795. These trends emphasise the difficulties the College is experiencing in making room for the increasing number of qualified candidates applying for entry from the expanding grammar school sixth forms. Details of the student population are to be found in Appendices VII and VIII on pages 64 and 65. The number of postgraduate students has again risen and now totals 755 of whom 384 are studying in the Faculties of Science and Engineering. This figure excludes members of the staff of the College and also research workers supported by research grants from outside bodies who, although undertaking research, are not actually registered as proceeding to a higher degree of the University. From an examination of the statistics of geographical distribution it is interesting to note that the proportion of United Kingdom students coming from outside the thirty-mile radius is still rising, and the number is now 1,343. 1,561 students come from homes within thirty miles of London. 670 students from overseas were in attendance during the session, 320 from 30 Commonwealth countries and 350 from 45 countries in other parts of the world. The number of full-time students in recognised halls of residence remained constant at 414, that is 194 men and 220 women, 15 per cent of the total number of full-time students. The number living at home while in attendance at the College fell from 975 to 944, but those living in lodgings rose from 1,278 to 1,403 and now constitute more than half of the full-time student population. These figures again lay stress upon the need for greatly increased accommodation in halls of residence.

A detailed report on the academic work of the College over the previous five years was issued last year as a separate publication. Here it is possible only to give a few of the new and more interesting developments.

In the Department of Anthropology the Rockefeller Foundation Research Grant 1955–57, for research into genetical problems among Africans in Nigeria, was terminated in May 1957. Investigation into certain aspects of Mongoloid–European crosses has been continued, together with research into human pigmentation. Research into the serology of certain Hindu populations and also into the craniometry of Bronze Age skulls was started. In Social Anthropology, research into various aspects of the social organisation of the Lele (Belgian Congo), Mbembe (South-East Nigeria) and Abelam and Elema (New Guinea) has been undertaken, and studies carried out in the department on the Ainu and on the Arab Marsh Dwellers of Iraq. Preparation of a study on Lugbara (East Africa) society and religion was continued, together with the editing of a symposium on African political systems.

In order to allow the Department of Egyptology more space for the unpacking and display of the Flinders Petrie Collection the Department of Archaeology has vacated its old quarters, and for the time being is installed in the Egyptology Department's old rooms in Foster Court, reconditioned after the fires. The move has entailed the temporary storage of the collection of casts of ancient sculpture.

The Suez crisis prevented the Egypt Exploration Society from continuing its annual excavations at Sakkara; but the Egyptian Government did not cancel the concession, and with the improvement in the political situation it is hoped that research in this area will be renewed at the end of the year under the direction of Professor W. B. Emery, the Head of our Egyptology Department. Apart from field work in Egypt, the Committee of the Egypt Exploration Society has decided to investigate the Buhen area in the Northern Sudan. With this in view, a preliminary investigation of the site was undertaken by Professor Emery in February. The Sudan Government has since granted a concession, and thus the Society hopes to carry out research both in Egypt and the Sudan this winter. In the course of this work the Head of the Department will be accompanied by David Dixon, a student of the College. Dr A. J. Arkell left in July 1957 with an expedition to Tibesti and Ennedi to look for neolithic sites showing connection with the prehistoric sites in the Nile Valley and probable evidence of the working of the amazon stone quarries of North-East Tibesti by the ancient Egyptians. Identification and restoration of objects in the Flinders Petrie Collection continued throughout the year, and with the new accommodation now available it is expected that almost the entire collection will be on exhibition.

In the Department of Geography teaching has been started on the

geography of Eastern Europe and the U.S.S.R., and, under the auspices of the Rockefeller Foundation, work has begun on the geography of Latin America.

In the Department of Philosophy teaching has begun for the recently instituted joint honours degree in philosophy and economics.

The Department of Phonetics has been fortunate this year in being asked to undertake research under a contract with the United States Air Force. This contract makes provision for extending the scope of the work already in progress on improving the performance of speech analysing systems based on phonemic recognition. The contract provides, among other things, for additional research staff and for the loan of much valuable equipment.

In the Department of Political Economy the research into the relation between Innovation and Structure in a number of British industries, financed by the Conditional Aid grant, was brought to an end during the session, and the results are now being published.

Professor Sir William Holford, Head of the Department of Town Planning, was asked by the Brazilian Government to act as assessor for the competition for the layout of the new Capital of Brazil, in the state of Goias. His advice was also sought on other capital cities, including Canberra and the Australian Capital Territory; the Federal Capital of the Rhodesias and Nyasaland, near Salisbury; and Pretoria, the Administrative Capital of the Union of South Africa.

Professor W. H. Pearsall, who concluded this session his distinguished headship of the Department of Botany, visited Africa to survey the condition of the Seregeti National Park and attended the enquiry designed to report on the rival claims of big game and of native Africans in this area.

In the Department of Chemistry the investigations of the mechanisms of reactions in solution, which have been extensively studied in the Department for some years, have recently been correlated with studies of reactions in the gas phase. Certain close relationships have been revealed and the theory, which was first developed for liquid-phase reactions, is proving to be remarkably successful in the interpretation of the course of the changes under both (liquid- and gas-phase) conditions. Some main lines of investigation in the Department, involving questions of the structure of molecules and the mechanisms of their interactions, have now been greatly facilitated by the installation of a Nuclear Magnetic Resonance Apparatus, supplied through the generosity of the Wellcome Trust. This addition to instrumental techniques promises to be a most powerful tool, especially in the determination of the structure of chemical compounds.

The method is particularly useful for studying compounds of hydrogen—an element which is so common in chemical combinations and one which is most difficult to locate precisely by other means.

In January 1957 Professor L. S. Penrose succeeded Professor J. B. S. Haldane as Head of the Department of Eugenics, Biometry and Genetics. In that Department a method was devised for the estimation of the frequency with which recessive lethal mutations are produced by X-rays and similar agents. It is now in use at Harwell.

In the Department of Geology active research in micropalaeontology and regional studies in northern Norway and south-west Ireland were continued during the year. Members of staff took a prominent part in the organisation and leadership of a party of some sixty European micropalaeontologists visiting classic localities in southern Britain.

In the Department of Physics progress has been made in many directions in the research programme. The first experiments in the upper atmospheric research programme using rocket-borne equipment will be taking place before the end of 1957. The department participated in a special Royal Society soirée to celebrate the opening of the International Geophysical Year, by exhibiting instruments for use in the upper atmospheric programme and demonstrating the techniques involved. The assembly of the microtron has proceeded satisfactorily; it is now housed in its concrete enclosure, the magnetic field has been checked, and the microwave equipment is being put into operation. The new high-pressure cloud chamber has been assembled and tested before being sent down to Harwell to take advantage of the high energy beam of protons available from the cyclotron there. Arrangements have been made to carry out experiments using the synchro-cyclotron at the Centre Européan de Recherches Nucléaires, Geneva. The Department will be one of the few concerned with the development of a heavy liquid bubble chamber for use there, and also at the new National Institute for Research in Nuclear Science. The co-operation of the University of Bristol in the study of nuclear emulsions exposed to strange particle beams from the high energy accelerators has been most fruitful and is being extended.

During the session the Library was happy to receive the Library of the Huguenot Society on long-term deposit. This is a most interesting library of 3,000 volumes on the history and genealogy of the Huguenots, together with an interesting amount of manuscript material such as the seventeenth-century and eighteenth-century Royal Bounty papers and the Wagner collection of pedigrees. The library is housed

as a separate collection in a room in 23 Gordon Square, adjacent to the History libraries, where it is available for use by the members of the Huguenot Society and the members of the College. At the end of March 1957 the Library began to set up the bindery which had been planned for a number of years. By the end of the session all the necessary equipment and stock of materials had been selected and purchased, and the necessary staff appointed. It is expected that in 1957–58 it will be possible for a considerable proportion of the College binding to be done in our own bindery. Gifts to the Library are listed in Appendix XII.

New appointments during the session were as follows: Professor M. A. Thomson came from the University of Liverpool to the Astor Chair of English History. Dr E. H. J. Gombrich of the Warburg Institute was appointed to the Durning-Lawrence Chair of the History of Art; D. Lloyd, who was a Reader in English Law at the College, became Quain Professor of Jurisprudence; and the title of Professor of Library Studies has been conferred on R. Irwin. Mrs Olive D. Maguinness was appointed to the post of Tutor to Women Students.

Professor W. H. Pearsall, Quain Professor of Botany since 1944, whose services the College was fortunate to be able to retain for one year after the normal age for retirement, relinquished his Chair at the end of the session. His acceptance of appointment as an Honorary Research Associate, however, permits the hope that his valued association with the College will be maintained. The retirement of Professor G. J. Renier, Professor of Dutch History and Institutions since 1945, ends a term of service in the History Department covering twenty-seven years, during which he has played an important part in College life as a whole as well as in that of the History Department. Professor B. J. Lloyd-Evans's retirement from the Kennedy Chair of Mechanical Engineering has happily not terminated his connection with the Faculty of Engineering which dates back to his entry to it as a student in 1909. He is remaining as a Special Lecturer in the Department of Mechanical Engineering for the session 1957–58.

By the resignation of Professor J. B. S. Haldane, Weldon Professor of Biometry, on his appointment as Research Professor to the Indian Statistical Institute in Calcutta, the College has lost one of the most original minds it has ever had. After a year's leave of absence, while holding the appointment of Executive Secretary to the American Psychological Association, Professor Russell's decision to remain in this important post and not to return to the College has taken from the Psychology Department a distinguished Head, under whose able

leadership during the past seven years important developments, notably in the field of experimental psychology, have taken place.

Among the non-professorial members of the academic staff retiring at the end of the session mention must be made of Miss H. Winifred Husbands, who first came to the English Department as a student in 1910 and, since her appointment to the staff in 1923, has given tireless service to that Department and has taken an active interest in the general life of the College. The Slade School has suffered a triple loss by the resignation of Miss Margaret Alexander after twenty-nine years' service on the staff of the School, and by the retirement of Franklin White and James Wilkie, each of whom had completed thirty-eight years as a member of the staff.

In order that the College might keep in closer touch with former students and re-establish some of the contacts that had been lost, the idea was conceived that a Reception for groups of former students might be arranged at the College from time to time. The implementation of the proposal was assisted by a grant from the Association of Friends of the College, and the first Reception was held on 16 November 1956. Invitations, made through Press announcements, were restricted to students of the war years 1939–45. At this Reception there was a large and representative gathering of those who had studied at the ten dispersal centres to which members of the College were scattered during the war years, the majority of whom had no opportunity at all of working at the College in London. Many were able to see for the first time the restored Main Building of the College and the New Physics Wing, and all were appreciative of the opportunity to meet again those with whom they had shared the experience of College life in wartime.

Celebrations to mark the Centenary of the birth of Karl Pearson, Professor of Applied Mathematics and Mechanics from 1884 to 1911, and Galton Professor of Eugenics from 1911 to 1933, were held at the College on 13 May 1957. The Centenary Lecture delivered by Professor J. B. S. Haldane, attracted a large audience and was relayed to a second lecture theatre. At the Centenary Dinner the toast to the memory of Karl Pearson was proposed by Professor A. Bradford Hill and the response was made by Professor E. S. Pearson. A collection of exhibits connected with the life and work of Karl Pearson was arranged in the North Cloisters.

The Special Visitor at the Assembly of Faculties held on 27 June 1957 was Sir Kenneth Clark.

COHEN, *Chairman*
IFOR EVANS, *Provost*

SUPPLEMENT

OBITUARY

We record with deep regret the death of the following Fellows of the College: Dr Bashir Ahmad, Director of the West Regional Laboratories of the Pakistan Council of Scientific and Industrial Research; Emeritus Professor F. G. Donnan; Dr G. B. Jeffery, Director of the Institute of Education; and Dr A. J. Morland, Head of the Department of Chest Diseases at University College Hospital. Both Professor Donnan and Dr Jeffery had long and distinguished careers within the College. Professor Donnan, a chemist of international reputation, was Director of the Chemical Laboratories of the College from 1913 to 1937. Dr Jeffery, Astor Professor of Mathematics from 1924 to 1945, had a range of interests and activities which took him far beyond the confines of the Mathematics Department, and he will be held in specially warm remembrance by war-time students who had the privilege of knowing him as Pro-Provost in Bangor.

Among other former members of staff who died in the course of the year were Emeritus Professor Sir Patrick Abercrombie, Professor of Town Planning from 1935 to 1946; H. J. Evans, who first entered the Chemistry Department in 1911 as a student, and, as a member of its staff from 1918 to 1951, took the keenest interest in the welfare and personal problems of his students as well as in the wider affairs of College life; and V. Polunin, who was on the staff of the Slade School of Fine Art from 1929 to 1949.

Those who died while holding staff appointments at the College were Dr J. W. Trevan, formerly Director of the Wellcome Research Laboratories, who was an Honorary Lecturer in the Department of Pharmacology; Dr H. H. Weil, a member of the staff of the German Department; and A. W. Woolven, who had given devoted service to the College as Maintenance Officer.

By the death of Owen Mocatta the College lost a benefactor who had for many years given valued service as Chairman of the Mocatta Library Committee.

HONOURS AND APPOINTMENTS

The 1957 New Year Honours included the conferment of Knighthoods on Professor G. L. Brown, Jodrell Professor of Physiology, N. F. Hall, Professor of Political Economy from 1935 to 1938, and Alderman B. N. Waley-Cohen, lately Sheriff of the City of London and a member of the College and Finance Committees. The order of

C.M.G. was conferred on M. F. G. Wentworth, formerly a student in the Faculty of Arts. A. T. S. Zealley, a former student in the Faculty of Science, was created a Knight Bachelor in the Queen's Birthday Honours.

Professor G. J. Renier was awarded a Knighthood in the order of the Netherlands Lion, and the French Government appointed Dr D. McKie a Chevalier of the Légion d'Honneur.

Among Government appointments, that of Lord Cohen as Chairman of the Independent Council on Prices, Productivity and Income, is of special interest.

Notable overseas appointments obtained by former students of the College included those of E. O. Asafu-Adjaye as Ghana's first High Commissioner to the United Kingdom; V. R. Bairamian as Chief Justice, Sierra Leone; E. M. Duke as Speaker in the Legislature of Trinidad; Mr Justice H. A. Fagan as Chief Justice of the Union of South Africa; V. K. Krishna Menon as Minister for Defence in the Indian Cabinet; J. A. Luckhoo as Puisne Judge, British Guiana; T. Balakrishnam Nayer as Principal of the University of Madras; C. D. Onyeama as the first African Judge to be appointed to the High Court of Lagos; S. K. Patil as Minister for Irrigation and Power in the Indian Government; Dr S. Ramgoolam as Ministerial Secretary to the Treasury in the new Ministerial system of Mauritius; and Sir Robert Stanley as Speaker of the Mauritius Legislative Council.

Mention can be made of only a few of the many other elections and appointments obtained by past and present members of the College. Miss Dorothy K. Dix was appointed to the rank of Queen's Counsel. Professor Sir Lindor Brown became Vice-President of the Royal Society, and the following were elected Fellows of the Royal Society: Professor E. C. Amoroso, Professor J. F. Danielli, Professor C. L. Oakley and Dr W. S. Stiles. Dr K. P. Oakley and Dr G. L. Williams were elected to Fellowships of the British Academy. Sir Alfred Bossom was elected President of the Council of the Royal Society of Arts and Professor W. H. Pearsall as President of the Institute of Biology. Professor W. J. Duncan was appointed Chairman of the Aeronautical Research Council.

The Darwin Medal of the Royal Society was awarded to Dr Julian S. Huxley, and the Lister Medal for 1956 to Sir Stewart Duke-Elder. The Royal Anthropological Institute awarded the Huxley Medal to Professor J. B. S. Haldane, and the Rivers Memorial Medal for 1956 to Professor Daryll Forde and for 1957 to Dr Phyllis Kaberry.

The distinctions gained by former members of the Slade School of Fine Art included the election of T. Hillier and E. C. T. Schilsky as

Associates of the Royal Academy, and the election of William Dring as a Member, and of Norman T. Janes as an Associate, of the Royal Society of Painters in Watercolours.

Professor Sir Ronald A. Fisher was elected President of Gonville and Caius College, Cambridge, and J. N. Summerson as Slade Professor of Fine Art in the University of Oxford. D. C. Hague was appointed as Newton Chambers Professor of Economics in the University of Sheffield; Dr P. H. R. James to an Associate Professorship at Queen's University, Ontario; Dr A. J. Kennedy as the first Professor of Materials and Metallurgy at the College of Aeronautics; Dr D. R. Llewellyn as a Professor of Chemistry at Auckland University College, New Zealand; B. H. Rasmussen as Professor of Modern Languages in the University College of Rhodesia and Nyasaland; the Rev. J. M. Plumley to the Herbert Thompson Professorship of Egyptology in the University of Cambridge; Dr F. D. Richardson to the Chair of Extraction Metallurgy at the Imperial College of Science and Technology; Julian Taylor as Professor of Surgery in the University of Khartoum; and J. J. Vincent was appointed to the Chair of Textile Technology by the Councils of Manchester University and Manchester College of Science and Technology.

The University of St Andrews conferred the honorary degree of LL.D. on Professor P. Geyl; the University of London, the honorary degrees of LL.D. on Sir Harold Himsworth, D.Lit. on Sir Mathew Smith, and D.Sc. on Sir Henry Tizard; and the University of Wales, the honorary degree of D.Litt. on Sir Mortimer Wheeler.

Within the University of London the title of Professor Emeritus was conferred on Professor B. J. Lloyd-Evans, Professor W. H. Pearsall, and Professor G. J. Renier. The title of Reader was conferred on the following: A. Brown (English), Dr P. B. de la Mare (Chemistry), D. C. Hague (Political Economy), Dr R. D. Harkness (Physiology), Dr N. L. Johnson (Statistics), Dr K. F. Roth (Mathematics), and Dr L. W. Tancock (French). The following were appointed to established readerships: Dr J. Brown (Electrical Engineering), Dr C. Dodd (Physics), and Dr E. R. H. Ivamy (Laws). Dr R. A. Buckingham has been appointed Director of the University of London Computational Unit.

New Faculty appointments were: Professor Sir William Coldstream as Dean, and Professor C. M. Robertson as Vice-Dean, of the Faculty of Arts; D. C. Holland as Sub-Dean and Tutor of the Faculty of Laws; and Professor F. Brailsford as Dean, and Professor E. H. Thompson as Vice-Dean, of the Faculty of Engineering.

Dr J. R. Pole of the History Department held a Commonwealth

Fund Fellowship in American Studies at Harvard University, and Dr B. R. Rabin of the Biochemistry Department went to work at the University of California under a Rockefeller Fellowship.

STUDENT HEALTH ASSOCIATION

The past academic year has seen continued progress of the Student Health Association, and the publication of a History of the Association covering the first decade (1945–55) of its existence in the College.

The most recent development within the Health Centre has been the establishment of the research unit, referred to in the Annual Report for 1954–55, which is continuing the investigation into the reasons for academic failure. Dr John Hopkins has succeeded Dr Irving Sarnoff in this work. The generous support of the Halley-Stewart Foundation is to continue until November 1957, and the Association has been fortunate enough to obtain a grant from the Medical Research Council for the following year. It was felt that this work should be associated with an academic department; Professor Lionel Penrose of the Department of Eugenics has kindly accepted its sponsorship. The original survey of examination failure at the College has been completed and a preliminary report circulated to the departments. The results of this pilot survey are to be amplified by a further survey of the students entering the College in 1953.

OLD STUDENTS' ASSOCIATION

The year has been eventful in the history of the Association because, as an experimental measure, the College enabled free membership to be given for one session to all students who completed a first degree or diploma course in 1956. It is hoped that many who gained in this way a first experience of what the Old Students' Association has to offer will become permanent members. The Association invited all new graduates to an informal dance on the eve of Presentation Day in order to establish and strengthen contact with them.

The most notable of the social functions were the two dinners at the House of Commons; both were sponsored by Sir Alfred Bossom to whom the Association is much indebted. Other functions included two exceptionally well attended dinners, at which the guest speakers were respectively Sir John Hunt and Sir John Neale; the dinner to present students after which a concert version of the *Marriage of Figaro* was presented by Dr Dennis Fry; a debate with the College; and a visit to the Mobiloil Refinery at Coryton.

THE STUDENTS' UNION

The session 1956–57 has followed the well-established pattern of former years: Freshers' Conference, Union Nights, Christmas Ball, Foundation Week (with Sir Humphrey Trevelyan as an outstanding Foundation Orator on 'Diplomacy as a Career'), and finally the Going Down Ball under a marquee in the main quadrangle.

The Associated Societies have this year been joined by the Jazz Society, which organises weekly jazz sessions and has quickly established itself with its older and more staid fellow societies as a source of cultural recreation. The Music Society's opera *The Devil and Kate* by Dvorak, and the Dramatic Society's presentation of *The Flies* by Jean Paul Sartre deserve special mention. The Film Society is actively engaged on a colour film of the College for the College archives, and has also produced the customary newsreels of College events. The Debating Society has flourished on traditional lines, and a team from the College reached the finals of the University of London tournament.

Although we lost the Commemoration Games to King's, we won the trophy back at the Foundation Games with a convincing victory of $14\frac{1}{2}$ points to $9\frac{1}{2}$. The Central Athletic Board reports on the whole a successful year. An increase of £1,550 in the financial allocation from the Union to C.A.B. made it possible for all Clubs to function again without making individual charges to members, and it also became possible to carry out urgent maintenance work at Shenley. Plans for the first stage of a pavilion at Shenley were approved earlier, and work has begun on the new tea-room. A new Club licence has been granted for the existing premises.

The new University of London Union building is much patronised by University College students. Its Refectory, indoor sports facilities, and lounges provide a welcome addition to the meagre resources of our own Union. However, interest in our own Union remains paramount, and, as has been usual for the post-war years, much time has been devoted to problems of accommodation. In particular, the Union Planning Committee has spent considerable thought on the details of space allocation and furnishing estimates for the three floors which are to be used by the Union at the Seamen's Hospital.

In November 1956, the Union, like all Britain, was deeply stirred by events in Hungary. The Executive initiated a petition signed by 1,200 students of the College, and organised a silent march of protest through the London streets in support of the petition. This was

addressed to the Soviet Ambassador on behalf of Hungarian students in Budapest known to be resisting Soviet aggression. £350 was collected for Hungarian student relief during the Autumn and Spring terms. During the Summer term, the Union Council sent a telegram to the National Union of South African students supporting their policy of opposition to Apartheid in South African universities. Delegations of students from Yugoslavia and China were entertained during the year, and the Union was also honoured by a visit from two students who came from Edinburgh University to study Union administration.

Pi has been the most successful of this year's Union publications. It won the N.U.S. award for the best student newspaper in England and Wales; the judges were all professional journalists. The Diary was sold out for the first time since its inception, and the Handbook issued to all Freshmen was a particularly lively, and at the same time accurate, introduction to the Union. Only *New Phineas* failed to maintain the record of previous years, having appeared only once this session, due to lack of material considered adequate by the editor, who was determined to publish good matter or none at all. A new departure during the year has been the publication by the Union of a survey of Union organisation, (prepared by the retiring President, Michael Bassey, for the Conference of University Unions now held annually), and of the annual reports of all the Union's committees and associated societies.

An exhibition of Union activities was produced by the Union for the Assembly of Faculties, and a wide cross-section of student enterprises was shown to visitors in the South Junction basement adjacent to the Union offices.

It may be of interest to note that for the first time in the history of the Union, so far as is known, four consecutive Presidents were in College as registered students during 1956–57; two as postgraduates and two as undergraduates.

R. J. Watson
President, 1957–58

THE BARTLETT SCHOOL OF ARCHITECTURE

In the academic year 1956–57 the number of full-time students in the School was 160; 45 students were following the Degree course, 95 the Diploma course in Architecture and 20 the Certificate course in Decoration. There were also 2 students working for the Ph.D. and 2 for the M.A. Degrees, and 3 students taking the part-time evening course in the Preservation and Restoration of Historical Buildings. In the final examination 9 students obtained the Degree and 17 the Diploma in Architecture. Of these, some have found employment with local authorities and others in private practices.

In January 1957 an exhibition, similar to that held in 1951, of drawings from some Schools of Architecture in the Commonwealth and from the Bartlett School was held in the North Cloisters of the College. The Exhibition was opened by His Excellency the High Commissioner for South Africa. It is hoped that further exhibitions of this kind will be arranged every few years.

As in previous years, the fourth-year students took part in the Franco–British Competition, a competition between French and British students on a common design subject, and some were successful in winning prizes and honourable mentions. A. H. P. Scott-Mitchell has been awarded a French Government Scholarship to enable him to study during 1957–58 at the Ecole Nationale Supérieure des Beaux-Arts in Paris.

During the Summer term a special short course was held in the Preservation and Restoration of Historical Buildings, under the direction of W. A. Eden. The course, lasting three-and-a-half days, included visits to important restoration works at present in progress in London, as well as lectures and discussions. Twenty-five students attended, including practising architects and staff and senior students of this and other Schools of Architecture. It is hoped that this course may become a regular feature of the School programme.

H. Warren Wilson, Director of the Division of Decoration, was invited to design and execute a stained glass window for Ripon Cathedral.

THE SLADE SCHOOL OF FINE ART

There were 209 full-time students (106 men and 103 women) attending the School during the session 1956–57. Of these 167 were following the course leading to the University of London Diploma in Fine Art, 15 were post-Diploma students, and the rest were following a course in the School for one year only. There were also 19 part-time students. There was one Fulbright Scholar. Other students from abroad came from: South Africa, Australia, Canada, Denmark, France, India, Hong Kong, Pakistan, China, New Zealand, Portugal, Rhodesia, Iran, Singapore, Sudan, Thailand, and the U.S.A.

At the entrance examination held in January, 342 candidates applied for places in October 1957; 58 candidates were accepted.

During the session the following artists taught periodically in the School: Edward Ardizzone, Rodney Burn, Lucien Freud, Patrick Heron, L. S. Lowry, Victor Pasmore, John Piper and Keith Vaughan.

Professor Gombrich gave a course of lectures on Ancient Art during the Autumn term, and on Mediaeval Art during the Spring term. Seminars were conducted in conjunction with these courses. During the Spring term, Professor Gombrich delivered his inaugural lecture entitled 'Art and Scholarship'. In the Summer term, Quentin Bell gave two lectures on 'The Teaching of Ruskin', Professor Sir Anthony Blunt three lectures on Picasso, and Dr Ettlinger two lectures on German Expressionism; Andrew Forge lectured on Van Gogh, Alan Bowness on Münch, David Sylvester on 'The Eye and I', and Professor Schapiro on 'The Content of Modern Art'.

Lectures for Stage Design students were given by John Collins, John Cranko, and John Piper. During the session N. Georgiadis and Peter Snow gave part-time assistance to Robert Medley.

At the end of the session Franklin White and James Wilkie retired from their appointments on the teaching staff, and at the same time Miss Margaret Alexander and Martin Froy also resigned.

The Rome Scholarship in Painting for 1957 was awarded to Miss Gillian Turral, the Abbey Major Scholarship to Miss Cordelia Jones, and Abbey Minor Scholarships were awarded to Miss Jennifer Rees, P. S. Schmidt, and J. D. Ferguson. French Government Travelling Scholarships were awarded to T. A. Cross and M. J. Elliott, and a British Institute in Paris Scholarship to Miss Carolyn Stafford. M. O. Le Tissier was awarded a Minor Sir James Knott Scholarship, and Boise Scholarships were awarded to A. Hatwell and E. P. T. Finlay. The Postgraduate Studentship in Fine Art was awarded to T. G. Lee.

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APPENDIX I

COLLEGE COMMITTEE

	*Attendances**
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Vice-Chairman and Treasurer: Sir Frederick James, O.B.E.‡	5–7
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Mrs Irene Chaplin, B.A., J.P.	3–7
The Right Hon. The Earl of Cromer	1–7
Miss Florence N. David, D.SC.§	2–3
P. Dunsheath, C.B.E., M.A., D.SC., D.ENG., M.I.E.E.	4–7
Sir Ifor Evans, D.LIT.† *Provost*	7–7
David Heron, M.A., D.SC.†	6–7
Professor A. V. Hill, C.H., O.B.E., SC.D., LL.D., D.SC., M.D., F.R.S.‡	6–7
Professor B. Katz, M.D., PH.D., D.SC., F.R.S.	3–7
A. Maccoll, M.SC., PH.D.¶	3–4
L. Hilary Mackin, O.B.E., M.A.	4–7
R. D. McLellan, PH.D.	7–7
E. K. Martin, M.B., M.S., F.R.C.S.†	6–7
T. A. L. Paton, B.SC., M.I.C.E., M.AM.SOC.C.E.†	3–7
Professor E. S. Pearson, C.B.E., M.A., D.SC†	6–7
S. W. C. Phillips, C.B., B.A.	5–7
Professor R. Powell, D.C.L.	7–7
Mrs Hazel Rose, LL.B.	1–7
F. J. Stephens, M.A.	2–7
The Right Hon. Lord Strang, G.C.B., G.C.M.G., M.B.E., B.A., LL.D.†	7–7
Alderman Sir Bernard Waley-Cohen, M.A.	5–7
G. E. Walker, O.B.E., B.A.	5–7
Miss Phyllis Woodham-Smith, M.A.	3–7

* The two figures indicate respectively the number of times that the member attended, and the number of times that he was summoned to a meeting of the Committee during the year 1 October 1956 to 30 September 1957. ‡ Hon. Fellow of the College. † Fellow of the College. § Membership terminated before 30 September 1957. ¶ Appointed after 1 October 1956.

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G. J. Renier, PH.D., PHIL.LIT.CAND., Professor of Dutch History and Institutions†

Constance M. Rigby, M.A., PH.D., Lecturer in Mathematics

C. M. Robertson, M.A., Yates Professor of Classical Art and Archaeology

R. W. Russell, M.A., PH.D., D.SC., Professor of Psychology

J. W. Scott, B.A., A.L.A., Librarian

O. Skutsch, DR.PHIL., Professor of Latin

A. H. Smith, O.B.E., R.N.O., R.F., PH.D., D.LIT., F.S.A., Quain Professor of English Language and Literature

S. Stein, PH.D., Goldsmid Senior Lecturer in Hebrew

James R. Sutherland, M.A., B.LITT., LL.D., F.B.A., Lord Northcliffe Professor of Modern English Literature

E. H. Thompson, O.B.E., B.A., F.R.I.C.S., Professor of Surveying & Photogrammetry

M. A. Thomson, M.A., D.PHIL., Astor Professor of English History

E. G. Turner, M.A., F.B.A., Professor of Papyrology

T. B. L. Webster, M.A., F.S.A., HON.R.A., Professor of Greek

R. Weiss, B.A., Professor of Italian

G. P. Wells, M.A., SC.D., F.R.S., Professor of Zoology

† Fellow of the College.

J. W. Whitfield, M.A., Reader in Psychology

F. R. Winton, M.A., M.D., D.SC., Professor of Pharmacology

B. Woledge, M.A., D. DE L'UNIV., Fielden Professor of French Language and Literature

J. Z. Young, M.A., D.SC., F.R.S., Professor of Anatomy

APPENDIX III

HONORARY FELLOWS AND FELLOWS

The following elections were made in 1957:

HONORARY FELLOWS

Sir Frederick Ernest James, Treasurer of the College and Vice-Chairman of the College Committee

FELLOWS

Dr Bashir Ahmad, Director, West-Regional Laboratories, Pakistan Council of Scientific and Industrial Research.

Dr Hugh Davson, External Member, Medical Research Council, and Honorary Research Associate, Department of Physiology, University College, London

Mr John Douglas Score Flew, Obstetric and Gynaecological Surgeon, University College Hospital, London, and Dean of University College Hospital Medical School

Sir Frederic Collins Hooper, Managing Director, Schweppes Ltd; formerly Vice-Chairman of the Council of the British Institute of Management and member of Committees on Manpower Economy and the Employment of National Servicemen

Mr Walter Thomas Monnington, Painter; Assistant, Slade School of Fine Art, University College London

Mr James Mould, Bencher of Gray's Inn; Queen's Counsellor

APPENDIX IV

RECOGNITION OF TEACHERS

The following members of the academic staff have been granted, during the academic year 1956–57, Full Recognition as Teachers of the University in the subjects and in the University Faculties indicated:

A. G. Davies	Chemistry	Science
P. Denes	Experimental Phonetics	Arts and Engineering
R. O. Faulkner	Archaeology (Egyptology)	Arts
O. F. Hutter	Physiology	Science and Medicine
L. S. Pressnell	Economics	Economics
M. Schachter	Physiology	Medicine and Science
J. S. Wilkie	History and Philosophy of Science	Science

APPENDIX V

PRINCIPAL CHANGES IN THE ACADEMIC STAFF

FACULTY OF ARTS

ANTHROPOLOGY

Appointments: W. R. G. Horton, B.A. (Research Assistant), from University of Oxford.

J. F. M. Middleton, B.A., B.SC., D.PHIL. (Assistant Lecturer), formerly Senior Lecturer in Social Anthropology at Rhodes University, Grahamstown.

D. R. Brothwell, B.SC. (Research Assistant), formerly student in Department.

Resignation: Davida W. Higgin, B.S., M.A. (Part-time Lecturer).

ENGLISH

Retirement: H. Winifred Husbands, M.A. (Senior Lecturer).

FINE ARTS

Appointment: E. H. J. Gombrich, M.A., PH.D. (Durning-Lawrence Professor in the History of Art), at the Warburg Institute.

Resignations: M. Froy (Part-time Assistant).

Margaret Alexander (Part-time Assistant).

W. T. Monnington, R.A. (Assistant).

Retirements: Franklin White (Visiting Teacher).

J. Wilkie, M.C. (Part-time Assistant).

GEOGRAPHY

Appointment: T. J. Chandler, M.SC. (Lecturer), from University of California.

Resignation: P. Haggett, B.A. (Assistant Lecturer), to University of Cambridge.

GERMAN

Death: H. H. Weil, PH.D. (Assistant Lecturer).

GREEK

Resignation: A. P. Treweek, B.A., PH.D. (Honorary Research Associate), returning to Australia.

HISTORY

Appointments: C. J. Holdsworth, B.A. (Assistant Lecturer), from University of Cambridge.

M. A. Thomson, M.A., D.PHIL. (Astor Professor of English History), formerly John Rankin Professor of History at Liverpool University.

Retirement: Professor G. J. Renier, PH.D., PHIL.LIT.CAND. (Professor of Dutch Studies and Institutions).

LIBRARIANSHIP AND ARCHIVES

Appointment: E. K. Timings, M.A. (Part-time Lecturer), Part-time at Public Record Office.

Resignations: J. E. Fagg, M.A. (Part-time Lecturer).

D. B. Wardle, B.A. (Part-time Lecturer).

PHILOSOPHY

Appointment: P. B. Downing, M.A. (Assistant Lecturer), formerly student in Department.

POLITICAL ECONOMY

Appointment: Muriel F. Lloyd-Prichard, M.A., PH.D. (Research Assistant), formerly working in Department as Honorary Research Assistant).

Resignations: Margaret J. Jablonowski (Research Assistant).
D. C. Hague, M.COM. (Reader), on appointment as Newton Chambers Professor of Economics in the University of Sheffield.

FACULTY OF LAWS

Appointments: J. S. Read, LL.B. (Assistant Lecturer).
D. W. M. Waters, B.A., B.C.L. (Assistant Lecturer), from New College, Oxford.

Resignation: R. O'Sullivan, Q.C. (Honorary Lecturer).

FACULTY OF SCIENCE

BOTANY

Appointments: Regina Pietruszko, M.SC. (Research Assistant), from appointment at Kaglene Chemicals.
W. G. Chaloner, PH.D. (Assistant Lecturer).

Retirement: Professor W. H. Pearsall, D.SC., F.R.S. (Quain Professor).

CHEMISTRY

Appointments: J. H. Callomon, D.PHIL. (Lecturer).
S. E. Livingstone, PH.D., F.R.A.C.I. (Honorary Research Associate), Lecturer in Technical University of Hong Kong.
M. L. Tobe, PH.D. (Lecturer), from King's College, Newcastle-upon-Tyne.

Resignations: A. D. Allen, PH.D. (Lecturer), to International Nickel Co., Canada.
D. R. Llewellyn, D.PHIL, F.R.I.C. (Lecturer), to appointment as Associate Professor of Chemistry at Auckland University College, New Zealand.
E. M. Thain, PH.D. (Honorary Research Associate).
G. W. King, PH.D. (Lecturer), to appointment as Associate Professor at McMaster University, Canada.

EUGENICS, BIOMETRY AND GENETICS

Resignations: Professor J. B. S. Haldane, M.A., D.SC., LL.D., D.DE L'UNIV., F.R.S. (Weldon Professor of Biometry), on appointment as Research Professor in the Indian Statistical Institute, Calcutta.
Helen Spurway, PH.D. (Lecturer), on appointment as Reader in the Indian Statistical Institute, Calcutta.

GEOLOGY

Resignation: J. G. Capewell, PH.D. (Lecturer), to Messrs Steel Bros. and Co. Ltd. and Attock Oil Co. Ltd., as Consultant Geologist.

MATHEMATICS

Appointments: L. M. Hocking, M.A., M.SC. (Assistant Lecturer), formerly Lecturer at Woolwich Polytechnic.
G. M. L. Gladwell, B.SC., (Assistant Lecturer), formerly Research Student in Department.

PHYSICS

Appointment: G. V. Groves, M.A. (Lecturer), formerly Scientific Officer at Ministry of Supply.

Resignations: R. A. Buckingham, PH.D. (Reader), on appointment as Director of the University of London Computational Unit.
L. Castillejo, B.A., B.SC.(ENG.), (Lecturer), on appointment to Lectureship at University of Birmingham.

PSYCHOLOGY

Appointment: Mildred Marshak, PH.D. (Part-time Lecturer).

Resignations: Professor R. W. Russell, M.A., PH.D., D.SC., on appointment as Executive Secretary to the American Psychological Association.
P. H. R. James, PH.D. (Lecturer), to appointment as Associate Professor at Queen's University, Kingston, Ontario.

ZOOLOGY AND COMPARATIVE ANATOMY

Appointment: Professor T. Thomson Flynn, D.SC., M.B.E. (Honorary Research Associate).

Resignation: R. E. Billingham, M.A., D.PHIL. (Honorary Research Associate), Professor of Zoology, University of Pennsylvania.

FACULTY OF ENGINEERING

CIVIL AND MUNICIPAL ENGINEERING

Appointment: J. E. Scutt, B.SC. (Research Assistant), formerly student in Department of Chemistry.

ELECTRICAL ENGINEERING

Appointment: G. D. Sims, M.SC., PH.D., (Lecturer), formerly on staff of A.E.R.E., Harwell.

CHEMICAL ENGINEERING

Appointment: J. W. Mullin, B.SC., PH.D., A.R.I.C., A.M.I.CHEM.E. (Lecturer), formerly with Graesser Salicylates Ltd., Chester.

FACULTY OF MEDICAL SCIENCES

ANATOMY AND EMBRYOLOGY

Appointments: W. G. Harris, M.B., B.S. (Assistant Lecturer), formerly Anaesthetics Registrar, U.C.H.
E. G. Gray, PH.D. (Assistant Lecturer).

Resignations: June R. Hill, B.SC., M.B., B.S. (Assistant Lecturer), on appointment as Research Assistant, St. Mary's Hospital Medical School.
J. G. Ross, B.A., B.M., B.CH. (Assistant Lecturer), on appointment as Junior Registrar at the Surgical Professorial Unit, St. Bartholomew's Hospital.

BIOCHEMISTRY

Resignation: Elizabeth Work, B.A., PH.D., D.SC. (Honorary Lecturer).

BIOPHYSICS

Appointment: R. Niedergerke, M.D. (Assistant Lecturer), formerly temporary Research Assistant in Department.

PHARMACOLOGY

Death: J. W. Trevan, B.SC., M.B., B.S., M.R.C.S., F.R.C.P., F.R.S. (Honorary Lecturer).

PHYSIOLOGY

Appointment: G. D. Dawson, M.SC., M.B., CH.B. (Honorary Research Associate), on staff of the Medical Research Council.

MEDICAL SCIENCES

Appointment: T. D. Whittet, B.SC., F.P.S., F.R.I.C., D.B.A. (Honorary Consultant Pharmacist).

APPENDIX VI

PUBLIC LECTURES

KARL PEARSON CENTENARY LECTURE

Professor J. B. S. Haldane

STAFFORD CRIPPS MEMORIAL LECTURE

The Right Hon. Earl Attlee

WALTER VANDYKE BINGHAM LECTURE

Professor Sir Cyril Burt: 'The Inheritance of Mental Ability'

ENDOWED LECTURES

BARLOW LECTURES

The Very Rev. Dr D. A. Callus, Oxford: 'Siger de Brabant in Paradiso', 'Dominican and Franciscan Circles of Theology', 'Faith, Hope, Love' (three lectures)

COMMONWEALTH FUND LECTURES

Professor Verner W. Crane, Michigan: 'Benjamin Franklin in Anglo-American Relations, 1763–83' (eight lectures)

RICKMAN GODLEE LECTURE

Sir Gavin de Beer, British Museum (Natural History): 'Science and the Humanities'

HOBHOUSE MEMORIAL LECTURE

Professor W. A. Robson, London School of Economics: 'The Welfare State'

LORD NORTHCLIFFE LECTURES IN LITERATURE

Professor C. J. Sisson: 'Justice in Shakespeare's Major Tragedies' (four lectures)

INAUGURAL LECTURES

Professor E. H. Gombrich, Durning-Lawrence Professor of the History of Art: 'Art and Scholarship'

Professor H. Grüneberg, Professor of Genetics: 'Genes in Mammalian Development'

Professor Dennis Lloyd, Quain Professor of Jurisprudence: 'The Right to Work'

Professor M. A. Thomson, Astor Professor of English History: 'Some Developments in English Historiography during the Eighteenth Century'

LUNCH-HOUR LECTURES

Dr A. J. Arkell: 'The Oldest Stone Building in the World'

Professor A. J. Ayer: 'Some Aspects of Existentialist Philosophy'

Mr K. M. Barbour: 'A New Approach to the Nile Waters Dispute'

Mr G. W. S. Barrow: 'What should we think about Magna Carta?'

Mr S. A. Bergmann: 'Strindberg's Symbolic Drama'

Mr R. Bradshaw: 'Leonardo da Vinci—Geologist'

Mr A. Brown: 'Wilkie Collins'

Dr M. Mary Douglas: 'Co-Wives and Co-Husbands: some Political Aspects of Polygyny and Polyandry'

Mr R. H. Elvery: 'The Character of Concrete as an Engineering Material'

Professor W. B. Emery: 'Archaic Egypt: Recent Discoveries at Sakkara'

Dr C. Fahy: 'Lucrezia Borgia, Patroness of Letters'

Professor L. W. Forster: 'The Contemporary German Cultural Scene'

Dr R. H. Garstang: 'The Biography of a Starbeam'

Mr D. C. Hague: 'Budget Prospects, 1957'

Professor Sir William Holford: 'Office Buildings in their Changing Environment'

Miss H. Winifred Husbands: 'Jane Austen'

Dr H. Kalmus: 'Behaviour and Heredity'

Mr L. B. Keeble: 'Town Planning in Chains'

Dr A. E. A. Lequet: 'La Fontaine: Morals and Morality'

Mr D. G. Mowatt: 'Why Teach Literature?'

Dr D. R. Newth: 'Regeneration in Animals'

Professor R. S. Nyholm: 'Magnetism and its Importance in Everyday Life'

Mr F. Parkinson: 'Soviet Aid to Under-Developed Countries'

Professor L. S. Penrose: 'The Uncommon Case of the Porcupine Man'

Mr T. F. Reddaway: 'Samuel Pepys of Axe Yard, 1658–60'

Professor C. M. Robertson: 'Troilus and Polyxena: Mutations of a Legend'

Mr R. Staveley: 'The Reader, the Writer, and Copyright Law'

Miss Susan Strange: 'Strategic Embargoes on East–West Trade'

Dr P. A. Sweet: 'The Births and Deaths of the Stars'

Mr A. J. Taylor: 'Machines and Men: The Nineteenth Century Background to Automation'

Mr W. K. Taylor: 'Experiments with Machines Capable of Learning'
Professor E. G. Turner: 'The Dead Sea Scrolls and the Hellenistic World'
Mr J. F. Warburg: 'Songs of Steam: The Industrial Revolution of English Poetry'
Mr G. Weisz: 'The Social Background of Medieval Hebrew Poetry'
Dr J. S. Wilkie: 'Mendel and Galton: Founders of the Scientific Study of Heredity'

LECTURES ARRANGED BY COLLEGE DEPARTMENTS

This list includes only those lectures given by visiting lecturers or by honorary members of the staff.

BIOCHEMISTRY

Professor R. A. Alberty, Wisconsin: 'Kinetic Studies of Fumarase'
Dr E. J. Hewitt, Bristol: 'Micronutrient Element Metabolism in Plants' (three lectures)
Professor G. F. Marrian, Edinburgh: 'Some Recent Progress in the Biochemistry of the Oestrogenic Hormones'
Dr Dorothy Needham, Cambridge: 'The Biochemistry of Muscular Action' (two lectures)
Dr D. J. D. Nicholas, Bristol: 'The Role of Metals in Enzymes with special reference to Flavoproteins' (four lectures)
Dr G. Popják, Hammersmith Hospital: 'The Biochemistry of Fatty Acids and Cholesterol' (three lectures)

ELECTRICAL ENGINEERING

Mr J. A. Ratcliffe, Cambridge: 'The Ionosphere' (four lectures)

ITALIAN

Professor R. Spongano, Bologna: 'Le origini e l'essenza dell' Umanesimo'

LATIN

Professor B. L. Ullman, North Carolina: 'The Transmission of Catullus'

LAWS

Mr A. Goodman, Solicitor of the Supreme Court: 'The New Law of Copyright'
Mr R. O'Sullivan, Q.C.: 'A Century of Divorce Jurisdiction (1857–1957)'
Dr G. J. Webber, Barrister-at-Law of the Middle Temple: 'Recent Trends in Criminal Justice'

LIBRARIANSHIP AND ARCHIVES

Series of lectures on 'English Libraries, 1800–1850':
Mr W. A. Munford, National Library for the Blind: 'George Birkbeck and the Mechanics' Institutes'
Mr Simon Nowell-Smith, formerly Secretary and Librarian, The London Library: 'Thomas Carlyle and the London Library'
Mr C. B. Oldman, The British Museum: 'Sir Antony Panizzi and the British Museum'

PHARMACOLOGY

Dr P. Bálint, Budapest: 'Nervous Regulation of Renal Function'

Professor F. Bergel: 'Recent Advances in Cancer Research', 'Chemical Aspects of Psychopharmacology' (two lectures)

Dr T. S. Work: 'A Biochemical Approach to the Problems of Protein Synthesis' (two lectures)

SCANDINAVIAN STUDIES

Professor Gunnar Tideström, Uppsala: 'Portraits of some Scandinavian Writers'

COMMUNICATION RESEARCH CENTRE LECTURES

Series of lectures on 'Aspects of Translation':

Professor L. W. Forster: 'Translation'

Dr L. W. Tancock: 'The Problem of Style in Translation from French'

Mr D. J. Furley: 'Translation from Greek Philosophy'

Dr Joseph Needham, Cambridge: 'The Translation of Old Chinese Scientific and Technical Texts'

Dr A. D. Booth, Birkbeck College: 'The History and Recent Progress of Machine Translation'

Mr R. Glémet, Head of the Languages Unit, General Agreement on Tariffs and Trade: 'Conference Interpreting'

APPENDIX VII

NUMBERS OF STUDENTS, SESSION 1956–57

	Under-graduates	*Post-graduates*	*Totals*
Faculty of Arts:			
(*a*) General	833 (315)	199 (71)	1032 (386)
(*b*) Department of Political Economy ..	125 (1)	19 (6)	144 (7)
(*c*) Slade School of Fine Art	217 (25)	14 (1)	231 (26)
(*d*) Bartlett School of Architecture ..	166 (5)	4 (2)	170 (7)
(*e*) Department of Town Planning ..	110 (104)	27 (27)	137 (131)
(*f*) School of Librarianship and Archives	12 (10)	38 (—)	50 (10)
Faculty of Science	589 (6)	318 (91)	907 (97)
Faculty of Medical Sciences	240 (24)	2* (—)	242 (24)
Faculty of Engineering	206 (6)	66 (12)	272 (18)
Faculty of Laws	321 (60)	68 (29)	389 (89)
	2,819 (556)	755 (239)	3,574 (795)

* This figure excludes 18 full-time and 5 part-time postgraduate students working in Departments in the Faculty of Medical Sciences who were registered in the University Faculty of Science.

The figures in brackets indicate the number of part-time students which is included in the total under each head.

APPENDIX VIII

GEOGRAPHICAL DISTRIBUTION OF STUDENTS, SESSION 1956–57

	Under-graduates	*Post-graduates*	*Totals*
UNITED KINGDOM			
London	318	109	427
Home Counties (30-miles radius)	910	224	1,134
Remainder of United Kingdom	1,149	194	1,343
BRITISH COMMONWEALTH OF NATIONS			
Australia	10	15	25
Canada	13	19	32
Cyprus	8	2	10
Ghana	15	1	16
Hong Kong	16	2	18
India	23	45	68
Malaya	15	—	15
Nigeria	22	8	30
Pakistan	8	15	23
South Africa	9	5	14
Singapore	8	2	10
19 Other Countries	45	14	59
OTHER PARTS OF THE WORLD			
Egypt	6	12	18
Eire	9	2	11
France	66	2	68
Germany	11	1	12
Greece	6	8	14
Israel	7	5	12
Norway	8	2	10
Sweden	19	—	19
United States of America	42	28	70
36 Other Countries	76	40	116
Totals	2,819	755	3,574

SUMMARY

United Kingdom	2,904
British Commonwealth of Nations ..	320
Other Parts of the World	350
	3,574

APPENDIX X

COLLEGE AWARDS TO STUDENTS

I.—ENTRANCE SCHOLARSHIPS

Andrews Scholarships.—Arts: Judy E. R. V. Schafer (3rd Year); D. Evans (2nd Year), Janet D. Butcher (2nd Year); Margaret A. Edwards, Croydon High School (1st Year). *Classics:* K. Booth (3rd Year); Rosemary A. Peachey (3rd Year); P. Kingston (2nd Year); R. Landau, Battersea Grammar School (1st Year). *Science:* A. K. Common (3rd Year); J. M. Cockcroft (2nd Year); M. E. Flavell, Kings Norton Grammar School (1st Year).

Bartlett Exhibitions in Architecture.—D. R. Bagot (5th Year); A. D. C. Hyland (5th Year); D. C. Campion (4th Year); E. R. Lane (4th Year); S. J. Thorpe (4th Year); M. R. Court (3rd Year); J. D. Starling (3rd Year); R. J. Faircliff (2nd Year); Alison K. Fennell (2nd Year); M. W. A. Cassidy, Latymer Upper School, Hammersmith (1st Year).

Bucknill Medical Scholarship.—D. A. Hems (2nd Year); Helen Dodsworth, Chesterfield St. Helena's Girls' School (1st Year).

Campbell Clarke Scholarship in English.—G. Aldis (2nd Year).

Goldsmid Scholarships.—Science: B. Roberts (3rd Year); R. F. N. Walker (2nd Year); M. J. Benton, Chichester High School (1st Year). *Engineering:* K. D. Raven (3rd Year); J. W. Pendered, Wellingborough High School (1st Year).

Laws Scholarship.—S. M. Oliver (2nd Year).

Exhibition in Librarianship.—Ia C. Thorold, Bedford College, University of London.

Medical Exhibition.—Ilfra J. Pink (2nd Year).

Rosa Morison Scholarship (*Arts*).—Angela N. Gardner (3rd Year); Muriel Brown, Burton-on-Trent High School (1st Year).

Alfred W. Rich Scholarship (*Fine Art*).—Dorothy M. Haworth (2nd Year).

St. Pancras Scholarship.—J. F. Hague, Owen's School, E.C.1 (1st Year).

Shell Entrance Scholarship in Chemical Engineering.—J. S. V. McKenzie (2nd Year).

Slade Scholarship.—R. J. Kitts (3rd Year).

West Entrance Scholarship in English and English History.—I. Smith (1st Year, 1955 award).

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: J. Harris. *Dental:* D. H. Clark.

Anatomy and Physiology (*B.Sc. Degree*) *Exhibitions.—Anatomy:* E. Q. Archampong, P. N. Dilly, J. Hewson. *Physiology:* F. J. Imms, D. Noble, B. D. Ross, L. H. Smaje, J. M. Thistlewood.

Anatomy and Physiology (*B.Sc. Degree*) *Scholarships.—Anatomy:* J. Harris, J. H. Jones, J. P. Leff. *Physiology:* D. C. Reader.

Herbert Batsford Prize (*Architecture*).—R. J. Faircliff.

Bayliss-Starling Memorial Scholarship (*Physiology*).—Mary J. Scott (2nd Year).

Bonney Prize (*Geology*).—M. Holmes.

Alfred Bossom Prize in Domestic Architecture.—E. J. Vaughan.

Alfred Bossom Atelier Prizes.—English Architecture: R. M. Scott. *Contemporary Architecture:* A. J. Mole.

Mary Brodrick Prize (*Geography*).—J. L. M. Gulley.

'The Builder' Prizes (*Architecture*).—*Measured Drawings* (for work done in the Long Vacation 1956).—*Senior:* C. G. Lelliott. *Junior:* E. R. Lane. *Freehand Drawing:* J. R. G. Thomas.

Carey–Foster Research Prize (*Physics*).—J. B. Thompson.

Chadwick Medal and Prize (*Municipal Engineering*).—B. T. Keay.

Churchill–Jenkinson Prize (*Archive Administration*).—K. H. Rogers.

Antonio Cippico Medal and Prize (*Italian*).—Josephine Phillips.

Lilian Clarke Prize (*Botany*).—R. S. Clymo.

Clinton Prize (*Electrical Engineering*).—M. R. Harris.

Corte Studentship (*Mathematics*).—J. N. Whiteley.

Cowley Prizes (*Librarianship and Archive Administration*).—*Librarianship:* Joan M. Frank and W. G. Wheeler, prize equally divided. *Archive Administration:* No award.

Donaldson Medal and Prize (*Architecture*).—H. C. U. M. Hellum.

Early English Text Society's Prize.—Helen L. Donaldson.

Esso Studentships in Chemical Engineering.—D. Greenaway (3rd Year); D. J. Wilson (1st Year).

Foyle Prize (*Latin*).—H. Heller.

Goldsmiths' Company's Postgraduate Studentship in London History.—D. J. Johnson.

Archibald P. Head Memorial Medal and Prize (*Mechanical Engineering*).—D. Priestley.

Heimann Medal and Prize (*German*).—Pauline Lonsdale.

Henriques Scholarship (*Fine Art*).—Rachel M. Wroe.

Elsie Hitchcock Prize (*English*).—Maureen Amory and J. M. Ensoll, prize equally divided.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—P. F. Vernon.

Hollier Scholarships.—Greek: I. McNeill (2nd Year); F. S. Kisbye-Hensen (1st Year). *Hebrew:* No award.

R. B. Hounsfield Prizes.—Town Planning and Civic Engineering: J. G. W. Stabler. *Traffic Engineering:* J. R. A. Lang.

Joseph Hume Scholarship in Jurisprudence.—J. T. Farrand.

Hurst Prize in English Law.—T. J. Vincent.

Incorporated Institute of British Decorators' Prize.—Patricia M. Brailsford and Marlene Pittas, prize equally divided.

Jevons Memorial Scholarship in Economic Science.—S. Gupta.

Jews' Commemoration Scholarship.—Raina J. Denfield, Laws (2nd Year); V. R. Mazza, Engineering (1st Year).

Jolowicz Prize (*Roman Law*).—I. Abramov.

Ker Memorial Prize (*English Language and Literature*).—R. G. Fowler and Myra A. Simpson, prize equally divided.

APPENDIX X

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I.—ENTRANCE SCHOLARSHIPS

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Laws Scholarship.—S. M. Oliver (2nd Year).

Exhibition in Librarianship.—Ia C. Thorold, Bedford College, University of London.

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Alfred W. Rich Scholarship (*Fine Art*).—Dorothy M. Haworth (2nd Year).

St. Pancras Scholarship.—J. F. Hague, Owen's School, E.C.1 (1st Year).

Shell Entrance Scholarship in Chemical Engineering.—J. S. V. McKenzie (2nd Year).

Slade Scholarship.—R. J. Kitts (3rd Year).

West Entrance Scholarship in English and English History.—I. Smith (1st Year, 1955 award).

II.—OTHER SCHOLARSHIPS AND DISTINCTIONS

Anatomy Class Prizes.—Medical: J. Harris. *Dental:* D. H. Clark.

Anatomy and Physiology (*B.Sc. Degree*) *Exhibitions.—Anatomy:* E. Q. Archampong, P. N. Dilly, J. Hewson. *Physiology:* F. J. Imms, D. Noble, B. D. Ross, L. H. Smaje, J. M. Thistlewood.

Anatomy and Physiology (*B.Sc. Degree*) *Scholarships.—Anatomy:* J. Harris, J. H. Jones, J. P. Leff. *Physiology:* D. C. Reader.

Herbert Batsford Prize (*Architecture*).—R. J. Faircliff.

Bayliss-Starling Memorial Scholarship (*Physiology*).—Mary J. Scott (2nd Year).

Bonney Prize (*Geology*).—M. Holmes.

Alfred Bossom Prize in Domestic Architecture.—E. J. Vaughan.

Alfred Bossom Atelier Prizes.—English Architecture: R. M. Scott. *Contemporary Architecture:* A. J. Mole.

Mary Brodrick Prize (*Geography*).—J. L. M. Gulley.

'*The Builder*' *Prizes* (*Architecture*).—*Measured Drawings* (for work done in the Long Vacation 1956).—*Senior:* C. G. Lelliott. *Junior:* E. R. Lane. *Freehand Drawing:* J. R. G. Thomas.

Carey–Foster Research Prize (*Physics*).—J. B. Thompson.

Chadwick Medal and Prize (*Municipal Engineering*).—B. T. Keay.

Churchill–Jenkinson Prize (*Archive Administration*).—K. H. Rogers.

Antonio Cippico Medal and Prize (*Italian*).—Josephine Phillips.

Lilian Clarke Prize (*Botany*).—R. S. Clymo.

Clinton Prize (*Electrical Engineering*).—M. R. Harris.

Corte Studentship (*Mathematics*).—J. N. Whiteley.

Cowley Prizes (*Librarianship and Archive Administration*).—*Librarianship:* Joan M. Frank and W. G. Wheeler, prize equally divided. *Archive Administration:* No award.

Donaldson Medal and Prize (*Architecture*).—H. C. U. M. Hellum.

Early English Text Society's Prize.—Helen L. Donaldson.

Esso Studentships in Chemical Engineering.—D. Greenaway (3rd Year); D. J. Wilson (1st Year).

Foyle Prize (*Latin*).—H. Heller.

Goldsmiths' Company's Postgraduate Studentship in London History.—D. J. Johnson.

Archibald P. Head Memorial Medal and Prize (*Mechanical Engineering*).—D. Priestley.

Heimann Medal and Prize (*German*).—Pauline Lonsdale.

Henriques Scholarship (*Fine Art*).—Rachel M. Wroe.

Elsie Hitchcock Prize (*English*).—Maureen Amory and J. M. Ensoll, prize equally divided.

John Oliver Hobbes Memorial Scholarship in Modern English Literature.—P. F. Vernon.

Hollier Scholarships.—Greek: I. McNeill (2nd Year); F. S. Kisbye-Hensen (1st Year). *Hebrew:* No award.

R. B. Hounsfield Prizes.—Town Planning and Civic Engineering: J. G. W. Stabler. *Traffic Engineering:* J. R. A. Lang.

Joseph Hume Scholarship in Jurisprudence.—J. T. Farrand.

Hurst Prize in English Law.—T. J. Vincent.

Incorporated Institute of British Decorators' Prize.—Patricia M. Brailsford and Marlene Pittas, prize equally divided.

Jevons Memorial Scholarship in Economic Science.—S. Gupta.

Jews' Commemoration Scholarship.—Raina J. Denfield, Laws (2nd Year); V. R. Mazza, Engineering (1st Year).

Jolowicz Prize (*Roman Law*).—I. Abramov.

Ker Memorial Prize (*English Language and Literature*).—R. G. Fowler and Myra A. Simpson, prize equally divided.

Postgraduate Scholarship in Laws.—F. B. Scrivener.

Leverhulme Studentship in Chemical Engineering.—A. Yates.

Bunnell Lewis Prizes for Latin Verse.—K. Booth, M. F. Gretton.

Lloyd Scholarship in Modern Greek.—J. H. Harrop.

Sir John MacAlister Medal and Prize (*Librarianship*).—A. Blamire.

Betty Malcolm Scholarship (*Stage and Decorative Painting*).—T. F. C. Emery.

Medical Postgraduate Scholarships.—D. M. Ricks (2nd Year); D. N. Salter (2nd Year); M. H. Flint (1st Year).

Momber Scholarship in Physics.—A. L. Read.

Momber Scholarship in Science.—A. S. Halliwell (Geology) (2nd Year).

Rosa Morison Memorial Medal and Prize (*Science*).—E. D. Bicknell.

Rosa Morison Prizes.—French: Gillian R. Wood. *Philosophy:* Krishna Banerjee and Penelope M. C. Went, prize equally divided.

Rosa Morison Postgraduate Scholarship in Arts.—Vanessa M. C. Stourton.

Rosa Morison Scholarship in English Language and Literature.—Helen L. Donaldson.

Morley Medal and Prize (*Modern English Literature*).—P. F. Vernon.

Morris Prize (*Geology*).—D. G. W. Smith.

Parry Prize (*Geography*).—M. J. Hand.

Catherine Maude Pearce Scholarship.—Vanessa M. C. Stourton.

Perren Studentship (*Astronomy*).—J. B. Tatum.

Physiology Class Prizes.—Medical: D. Noble. *Dental:* S. J. Emery.

Platt Prizes (*Greek*).—G. K. Slack; H. Heller and P. Kingston, prize equally divided.

Pollard Prize (*History*).—M. E. Head.

Quain Studentships.—English: A. G. R. Petti. *Biology:* No award.

Ramsay Memorial Medal and Prize (*Chemistry*).—R. B. Pearson.

Ricardo Scholarship (*Political Economy*).—S. Gupta.

Robert Ross Scholarship (*Fine Art*).—M. A. Evans.

Sharpey Physiological Scholarship.—D. R. Inman.

Slade Scholarships.—K. Aurora, P. M. Blythe, B. J. Taylor.

Stanbury Scholarship in Stage Design.—Yolanda P. T. Sonnabend.

Steer Medal and Prize.—Dorothy I. Mead. *Second Prizes:* T. G. Lee, Yolanda P. T. Sonnabend. *Book Prizes:* T. J. Behrens, P. M. Blythe, R. D. Norris, R. M. S. Shepherd, Nancy A. Werth, Marjorie A. Yemm, Wendy Yeo.

Suckling Memorial Prize (*Anatomy*).—P. B. Deverell.

Sir Andrew Taylor Prizes.—Architecture: A. H. P. Scott-Mitchell. *Fine Art:* Cordelia M. Jones and Diana E. Over, prize equally divided.

Henry Tonks Prize (*Fine Art*).—(1) T. G. Lee; (2) M. A. Evans, A. B. Hatwell, Cynthia C. Stafford, Judith T. A. Weinstein.

L. F. Vernon-Harcourt Prize (*Civil Engineering*).—D. P. Maynard.

Thomas Viola Prize (*Stage Design*).—P. J. Prowse.

Ellen Watson Memorial Scholarship in Applied Mathematics.—E. D. Bicknell.

APPENDIX XI

EXAMINATION RESULTS

FACULTY OF ARTS

B.A. (Honours)

	1st Class	*2nd Class*		*3rd Class*	*Total*
		Upper Div.	*Lower Div.*		
Anthropology	—	—	2	1	3
Classics	—	1	4	4	9
English	2	13	10	3	28
French	—	2	12	9	23
Geography	1	5	9	2	17
German	—	2	5	3	10
Hebrew	—	—	1	—	1
History	2	9	11	1	23
Italian	—	1	—	1	2
Latin	—	3	1	2	6
Philosophy	—	—	3	—	3
Psychology	1	2	1	—	4
	6	38	59	26	129

	1st Division	*2nd Division*	*3rd Division*	*Total*
B.A. General	—	1	—	1

	1st Class Honours	*2nd Class Honours*	*Pass*	*Total*
B.A. Architecture	2	3	4	9

FACULTY OF ECONOMICS

	1st Class Honours	*2nd Class Honours*		*Pass*	*Total*
		Upper Div.	*Lower Div.*		
B.Sc. (Economics)	1	7	20†	4	32

† Includes two students also registered at another Institution.

FACULTY OF LAWS

	1st Class Honours	*2nd Class Honours*		*Pass*	*Total*
		Upper Div.	*Lower Div.*		
LL.B.	1	8	36	21	66

FACULTY OF SCIENCE

B.Sc. (Special)

	1st Class Honours	*2nd Class Honours*			*3rd Class Honours*	*Total*
		Upper Div.		*Lower Div.*		
Anatomy	3	2		2	—	7
Biochemistry	—	2		2	1	5
Botany	4	4		4	—	12
Chemistry	5	11		11	10	37
Geography	1	2		4	—	7
Geology	2	7		1	—	10
Mathematics	7	1		7	8	23
Physics	4	10		7	1	22
Physiology	—	5		5	1	11
Psychology	1	2		1	—	4
Statistics	1		2		—	3
Zoology	3		5		—	8
	31	46	7	44	21	149

B.Sc. Degree

	Pass	*Total*
Physics	5	5
Statistics	1	1
	6	6

	1st Class Honours	*2nd Class Honours*	*Pass*	*Total*
B.Sc. (General)	—	5	18*	23

* Includes one student also registered at another Institution.

FACULTY OF ENGINEERING

	1st Class Honours	*2nd Class Honours*	*Pass Degree*	*Total*
B.Sc. (Engineering)	5	15	20	40
B.Sc. (Engineering) Chemical Engineering	4	4	6	14

FACULTY OF MEDICINE

Second Examination for Medical Degrees: 71 students passed.

APPENDIX XII

BENEFACTIONS AND DONATIONS

The College Committee makes grateful acknowledgment of the following gifts:

ADMIRALTY

Grants of £2,375, £2,450, £2,525 for the years 1956–57, 1957–58, and 1958–59, respectively, for research in the Department of Physics in connection with the upper atmosphere.

AGRICULTURAL RESEARCH COUNCIL

(1) A grant of £699 for a period of eighteen months from 1 October 1956 for study in the Department of Biochemistry of (*a*) the changes in enzyme constitution of the sub-cellular particles of the mammary gland and (*b*) the relation of nucleic acids of the sub-cellular particles to protein synthesis in the mammary gland.

(2) A grant not exceeding £886 for one year from 1 April 1957 for research in the Department of Anatomy and Embryology on the perfusion *in vitro* of the pregnant uterus.

(3) A grant not exceeding £443 for one year from 1 April 1957 for research in the Department of Zoology on the cytological effects of inbreeding in Drosophila.

(4) A grant not exceeding £300 for one year from 1 April 1957 for research in the Department of Zoology on the phenomena of acquired tolerance of tissue grafts.

(5) A grant not exceeding £85 for four months from 1 April 1957 for research in the Department of Eugenics, Biometry and Genetics on the genetics of developmental rate in Drosophila Subobscura.

ANONYMOUS

A grant of £250 for expenses involved in researches conducted by the Galton Laboratory.

ASPRO-NICHOLAS LIMITED

A grant of £1,000 for the year 1957 for research in the Department of Pharmacology on the action of salicylates on tissue fluids in mammals.

BABCOCK AND WILCOX LIMITED

A grant of £927 for photoelastic investigation in the Department of Civil and Municipal Engineering of stresses in full end closure for pressure vessel.

BRITISH CELANESE LIMITED

A grant of £100 for the general upkeep of the Department of Chemical Engineering.

BRITISH EMPIRE CANCER CAMPAIGN

(1) A grant of £700 for the year 1957 for technical assistance and expenses in the Department of Zoology in connection with research work in cancer.

(2) A grant of £3,434 for one year from 1 January 1957 for research in the Department of Anatomy and Embryology on the movements of cells, and particularly the movements of cancer cells.

(3) A grant of £1,514 for the year 1957 for research work in cancer in the Department of Chemistry.

BRITISH PETROLEUM COMPANY LIMITED

A grant of £1,000 per annum for three years from 1 October 1957 to provide a research studentship in the Department of Chemical Engineering.

BRITISH PETROLEUM EXPLORATION COMPANY LIMITED

A further grant of £500 for research in the Department of Geology in micro-palaeontology.

British Titan Products Company Limited

A grant of £1,100 per annum for three years from 1 October 1957 to finance two studentships in the Department of Chemistry.

Carnegie Endowment for International Peace

A grant of £123 for the purchase of books for the American History Library.

Commonwealth Fund

A grant of £76 for the Library of Latin American Studies.

The Consolidated Zinc Corporation Limited

A grant of £1,000 per annum for a period of two years from 1 October 1956 for the institution of a fellowship, the holder of which will undertake research in the Department of Chemistry in the application of nuclear magnetic resonance techniques to the study of the structure of fluorine compounds.

Cornell University

A grant of £457 for the period from 1 November 1956 to 30 June 1957 for research in the Department of Chemistry on kinetic and equilibrium salt effects.

Department of Scientific and Industrial Research

(1) A grant not exceeding £840 for one year from 1 October 1956 for research in the Department of Physics on the scattering of high-energy nucleons by atomic nuclei.

(2) A grant of £370 for one year from 1 October 1956 for palaeontological research in the Department of Zoology.

(3) A grant not exceeding £1,800 for two years from 1 October 1956 for study in the Department of Physics of K particles and hyperons produced by high energy accelerations using nuclear emulsions.

(4) A grant not exceeding £1,250 for two years from 1 October 1956 for research in the Department of Physics into nuclear scattering of fast electrons.

(5) A grant of £1,450 for the year ending 31 March 1958 for research in the Department of Electrical Engineering on the propagation of surface radio waves.

Diamond Corporation

A further grant of £50 for research in the Department of Chemistry on the subject of inclusions in diamonds.

Du Pont De Nemours Company Limited

A grant of $6,000 for one year from 1 March 1957 for fundamental research in the Department of Chemistry on tungsten and molybdenum.

Miss L. Margaret Eyre

A gift of five Burmese silver salt spoons to match the salt cellars previously given.

Mr H. R. Fuerst

A gift of £2 2*s*. 0*d*. for the Library of Latin American Studies.

Godman Exploration Fund

A grant of £150 for research in the Department of Zoology in connection with vertebrate fossils.

Goldsmiths' Company

A gift of five modern silver fruit bowls, the work of Mr David Mellor of Sheffield.

The Hispanic and Luso-Brazilian Councils

Grants of £50 for 1955–56 and 1956–57 for the Latin American History Library and Institute of Historical Research.

The Kuwait Oil Company Limited

A grant of £500 for research in the Department of Geology in palynology.

Marks and Spencer Limited

A grant of £20,000 under a seven-year covenant to start a fund for the acceleration of the construction of the New Refectory.

May and Baker Limited

A grant of £1,630 for a period of two years from 1 October 1956 for research in the Department of Pharmacology on tetanus and Parkinsonism.

Medical Research Council

(1) A grant not exceeding £700 per annum for preparation in the Department of Chemistry of oxygenated iron–indigo and cobalt complexes and the study of their structure by chemical and physical techniques.

(2) A grant of £1,600 for one year from 1 October 1956 for research in the Department of Phonetics on the nature of thinking as revealed through the speech process.

(3) A grant of £50 for one year from 1 September 1956 for expense in connection with an investigation in the Department of Biochemistry of the physico-chemical properties of various guanidine bases which are believed to form phosphagens.

(4) A grant of £500 for one year from 1 October 1956 for technical assistance in the Department of Chemistry for Professor Dame Kathleen Lonsdale.

(5) A grant of £250 for one year from 1 December 1956 for research in the Department of Physiology on neuro-physiology.

(6) A grant of £2,100 for one year from 1 November 1956 for the production of co-enzyme A in the Department of Biochemistry.

(7) A grant not exceeding £200 per annum for a period of eight months from 17 January 1957 for expenses of work in the Department of Biochemistry on the construction of a microreaction calorimeter for the determination of the heats of reaction of antibodies with antigens.

(8) A grant of £250 per annum for a period not exceeding three months from 1 April 1957 for research in the Department of Physiology on the distribution of acetylcholine in sympathetic ganglia.

(9) A grant of £120 for one year to 31 March 1958 for research in the Department of Physiology on the mechanical, neural and endocrine factors controlling the eruption of teeth.

(10) A grant of £820 for one year from 1 April 1957 for research in the Department of Biophysics by Dr H. E. Huxley on electron-microscopy and other studies into the fine structure of biological systems.

MENTAL HEALTH RESEARCH FUND

A further grant of £150 per annum for three years from 1 October 1956 for expenses in the Department of Anatomy and Embryology in connection with the investigation of the hippocampus.

MINISTRY OF SUPPLY

(1) A grant of £110 for one year from 1 August 1956 for research in the Department of Botany on the kinetics of photosynthesis.

(2) A grant of £740 for one year from 1 August 1956 for research in the Department of Botany on the use of bacteria in concentrating deuterium.

(3) A grant not exceeding £1,354 for one year from 1 October 1956 for studies in the Department of Chemistry on the structures of explosives by nuclear magnetic resonance and quadrupole spectra.

(4) A grant not exceeding £763 for one year to 31 May 1957 for investigation in the Department of Mechanical Engineering into the fundamental mechanisms governing combustion inhibition by flame traps.

(5) A grant not exceeding £763 for one year to 31 May 1957 for investigation in the Department of Mechanical Engineering into the inhibition of combustion in hydrocarbon air mixtures by water sprays.

(6) A grant not exceeding £530 for one year to 30 June 1957 for research in the Department of Electrical Engineering in connection with low energy electrical relay systems.

(7) A grant not exceeding £1,470 for one year from 1 October 1956 for research in the Department of Civil and Municipal Engineering on photoelastic studies of stresses in bars and tubes.

(8) A grant of £775 for one year from 1 October 1956 for research in the Department of Electrical Engineering on radar characteristics of reflections from water waves.

(9) A grant not exceeding £1,940 for one year from 1 October 1956 for research in the Department of Phonetics on sound coded speech.

(10) A grant not exceeding £6,425 for four years from 1 October 1954 for investigation in the Department of Physics on measurement methods of ionized gases. (Previously reported in the Annual Report for 1954–55 as a grant not exceeding £3,905 for one year from 1 October 1954.)

MULLARD LIMITED

A grant of £600 for the period from 1 March to 30 September 1957 for research being carried out by Dr Zienau in the Department of Physics.

NATIONAL COAL BOARD

A grant not exceeding £3,500 for the year 1957 for research in the Department of Psychology into the causes of accidents to coal miners.

NATIONAL SCIENCE FOUNDATION

Two grants of £83 15*s.* 0*d.* and £137 2*s.* 0*d.* for the purchase of equipment required in connection with research in the Department of Chemistry on kinetic and equilibrium salt effects.

NORTHWOOD CENTRE, UNIVERSITY OF LONDON EXTENSION LECTURES

Donation of £15 to Grants and Loans Fund.

Nuffield Foundation

(1) A grant of £850 for two years from 1 October 1956 for study in the Department of Chemistry of enzymic reactions with special reference to inorganic complex chemistry.

(2) A grant of £500 for one year for research in the Department of Biochemistry on the treatment of mongolism by injections of pituitary hormone.

Rockefeller Foundation

(1) A grant of £2,400 over a period of two years from 1 November 1956 for research in the Department of Chemistry on the relation of inorganic complex compounds to enzyme reactions.

(2) A grant of £1,000 for one year to enable Professor T. Thomson Flynn to work on the Hill Collection in the Department of Zoology.

(3) A grant not exceeding £10,000 for the period to 30 September 1959 for research in the Department of Anatomy and Embryology on the ultra-structure of the brain.

Royal Society

(1) Two grants of £666 and £1,225 each for one year from 1 October 1956 for study in the Department of Physics of reactions produced by high speed particles at low pressures.

(2) A further grant of £2,250 for one year from 1 October 1956 for high altitude research in the Department of Physics.

(3) (R. W. Paul Fund) A further grant of £1,400 for research in the Department of Electrical Engineering on the application of the Hall Effect in semi-conductors to the measurement of power.

(4) (Locke Fund) A further grant of £250 for research being carried out by Dr M. de B. Daly in the Department of Physiology on circulation and respiration.

Shell-Eagle South America Limited

A grant of £25 per annum under deed of covenant for seven years from 1 November 1957 for developing and maintaining the Latin American History Library.

Shell Petroleum Company Limited

A grant of £60 for the session 1957–58 for field work in the Department of Geology.

Sir Halley Stewart Trust

A further grant of £1,300 for one year for research into the reasons for academic failure or inability to complete courses.

Taylor Woodrow Charity Trust

A grant of £50 per annum for the award of a travelling scholarship every two years in the Department of Civil and Municipal Engineering.

Unilever Limited

A grant of £25 per annum for seven years from 1957 towards maintaining and developing the Latin American History Library.

UNITED STATES NATIONAL INSTITUTE OF HEALTH

A grant of $500 for one year from 17 October 1956 for the investigation in the Department of Zoology of transplantation immunity.

THE WELLCOME TRUST

A grant not exceeding £15,550 for the purchase of a Varian Nuclear Magnetic Resonance Spectrometer, to be on indefinite loan to the Department of Chemistry.

WEST LONDON HOSPITAL MEDICAL SCHOOL—
DAN MASON RESEARCH FOUNDATION

A grant of £600 for one year for research in the Department of Physiology on vagal nerve section.

MR J. WILKS

A gift of two silver jugs.

GIFTS TO THE LIBRARY

Throughout the session the Library received many gifts, among which the following are, perhaps, of special interest: Anglo-Brazilian Society—£100 for the purchase of two rare books: Southey (Robert), *History of Brazil* (3 vols. 1810, 1817, 1819); Graham (Maria, Lady Callcott), *Journal of a voyage to Brazil, and Residence there*, 1821–23 (1824). Brazilian Chamber of Commerce—£50 to enable the Library to buy similar rare books as additions to the Latin American History Library. Carnegie Endowment—$344 for the purchase of books for the American History Library. Professor Morris Travers and Lady Tidy—a collection of the letters, papers and note-books of Sir William Ramsay. Mr. G. E. Walker—a twelfth century deed; this is the earliest deed now in the College Library and of particular interest because of its many unusual Welsh place-names. Dr O. J. Walker—letters and papers of the late Professor F. G. Donnan. Emeritus Professor T. S. Ashton—a collection of the Huth Ledgers and letter books relating mainly to trade in South America.

APPENDIX XIII

COLLEGE ACCOUNTS 1956–57

The Accounts for the year 1956–57, which follow on pages 82–89, comprise the Balance Sheet, the Income and Expenditure Account, and the subsidiary account for Rehabilitation and Development.

BALANCE SHEET

Features of special interest were:

LIABILITIES

The principal additions to the Capital Account were capital grants received for the purchase of properties in Fitzroy Street and Cartwright Gardens.

Sundry Funds show an increase of £43,322 over the corresponding figure for the previous year, consisting mainly of further proceeds of the Engineering Appeal.

ASSETS

One new property has been added during the year, namely the site of 32–34 Fitzroy Street, which will eventually be developed for use as a hall of residence.

The balance of the Rehabilitation and Development Account, referred to in detail on pages 86–89, shows an increase of £13,978 over the corresponding figure at 31 July 1956. The expenditure upon capital projects, £350,959, exceeded that of the previous year by £41,855, owing to progress made upon the erection of the Biological Sciences Block.

Investments show an increase of £57,841 in book value, representing £55,000 invested temporarily on account of the proceeds of the Engineering Appeal, and £2,841 on account of other smaller funds.

TRUST FUNDS

The College holds endowments in the form of 173 separate Trust Funds with a total value of over £1,108,000. They yield a gross income of £51,000 per annum.

INCOME AND EXPENDITURE

The Income and Expenditure account shows a deficit of £14,478 as compared with a surplus of £4,508 for the previous year.

Income exceeded that of the previous year by £68,411, the main features of which were the normal increase of Court Grant, £50,000; an increase of £5,000 (i.e. from £15,000 to £20,000) in the Supplementary Court Grant for the development of Science and Technology; and an increase of £9,346 in the income from fees, some £6,000 of this being due to the introduction of a revised scale of fees from 1 October 1956 as an interim measure towards a proposal for equalising fees throughout the University by 1957–58.

Total expenditure was £87,397 more than in 1955–56, of which some £25,940 was due to normal increments in academic salary scales; £20,000 to increases in wages of technicians and other departmental staff; and £18,905 to increased expenditure on the maintenance of premises.

The percentages of the income and expenditure under the main classifications in the years 1954–55 to 1956–57 are shown in the following table:

EXPENDITURE	1954–5 %	1955–6 %	1956–7 %
Salaries and Pensions of Teaching Staff	48·5	49·0	47·8
Departmental Expenses, incl. Library ..	25·5	26·0	26·3
Maintenance of Premises ..	12·7	12·5	13·4
Administration ..	7·2	7·3	7·3
Other	6·1	5·2	5·2
	100·0	100·0	100·0

INCOME	1954–5 %	1955–6 %	1956–7 %
Endowments ..	4·0	3·6	3·7
Grants	83·3	83·9	84·1
Donations ..	0·5	0·5	0·4
Fees	10·9	10·4	10·6
Other	1·3	1·6	1·2
	100·0	100·0	100·0

A summary of the income and expenditure of the College, comparing the results in the years 1946–47, 1955–56 and 1956–57, is as follows:

EXPENDITURE	*Thousands of £* 1946–7	1955–6	1956–7	INCOME	*Thousands of £* 1946–7	1955–6	1956–7
Administration ..	43	87	93	Endowments ..	48	43	47
Departmental Maintenance ..	359	896	948	Grants	282	1,004	1,064
Maintenance of Premises ..	59	148	172	Fees	101	125	134
Other	24	62	66	Other	40	25	20
	485	1,193	1,279		471	1,197	1,265

REHABILITATION AND DEVELOPMENT ACCOUNT

This account records the course of operations upon the rebuilding of the College after damage suffered during the war, and upon the provision of temporary accommodation, of certain new buildings, and their equipment. The account shows in separate sections works completed in the sixteen years up to 31 July 1957 and works in progress.

The various projects are financed mainly by special Capital Grants from the University Grants Committee and by War Damage compensation, but the balance has to be found from College sources. Up to date, 75 per cent has been found from Capital Grants, 18 per cent from War Damage compensation, and 7 per cent from College funds and other sources.

In this account the payments of £2,846,920 for the sixteen years up to 31 July 1957 exceeded the receipts of £2,609,883 by £237,037 which related to expenditure upon:

	£
Completed Projects, balance to be financed	6,735
Projects for which Capital Grants and War Damage compensation claims have been approved but not received at the date of account ..	139,971
Apparatus for which Capital Grants have been approved	4,293
Projects approved by the Court for which Capital Grants are awaited	6,912
Preparation of plans for College development	8,366
Chemistry Light Storey, to be met from Ramsay Memorial Appeal ..	2,640
Projects to be financed from College and other funds	9,771
Preparation of plans for works at present suspended	58,349
	£237,037

CAPITAL GRANTS

Capital Grants made during the year 1956–57 were as follows:

	£
Erection of Biological Sciences Block, Stage I: additional building work, increases in cost of labour and materials, and professional fees	12,926
Erection of Biological Sciences Block, Stage I: purchase of equipment	16,581
Erection of Biological Sciences Block, Stage II: building contract, increases in cost of labour and materials, and professional fees ..	296,930

Development of Athletic Ground at Shenley, Stage I: building work, increases in cost of materials and professional fees	13,658
Conversion of 22 Gordon Square to provide accommodation for Bursar's Department: building work and professional fees ..	5,481
Provision of additional accommodation for Department of Egyptology : building work and removal costs	1,013
Adaptation of 27 Cartwright Gardens as annexe to Bentham Hall: additional building work and professional fees	5,135
Conversion and modernisation of rooms and laboratories in Department of Physiology : building work	3,356
Conversion and modernisation of rooms and laboratories in Department of Physiology: purchase of furniture and equipment.. ..	2,354
Alterations to Department of Chemistry to provide increased accommodation: building work	2,140
Alterations to Department of Chemistry to provide increased accommodation: purchase of laboratory furniture	351
Adaptation in South Wing to provide additional accommodation for Accounts Department: building work	930
Adaptation in South Wing to provide additional accommodation for Accounts Department: purchase of equipment	2,155
Conversion of 33–35 Torrington Place for Department of Laws: building work and professional fees	14,660
Provision of telephone exchange on first floor of South Wing: building work	2,100
Improvements to steam supplies: building work and professional fees	8,862
Adaptation of Seamen's Hospital: building work, increase in price of steel, and professional fees	142,840
Conversion of 19, 20, and 23 Gordon Square : additional building work and fire precautions, and professional fees	431
Re-organisation of water supply for Department of Chemistry: additional building work	405
Conversion of warehouse in Flaxman Terrace: increases in cost and professional fees	116
	£532,424

SCHOLARSHIPS AND PRIZES

Expenditure upon these awards amounted to £11,925 13*s.* 11*d.* in 1956–57. Awards were made as under:

	Undergraduate £ *s.* *d.*	*Postgraduate* £ *s.* *d.*
From Endowments	3,343 4 9	1,416 6 0
„ Donations and Subscriptions	615 18 9	3,739 13 4
„ General Income	813 9 4	1,489 5 9
„ General Income: Exhibition Bursaries and special fee remissions	453 16 0	54 0 0
	£5,226 8 10	£6,699 5 1

LIABILITIES, CAPITAL ACCOUNT, RESERVES AND OTHER FUNDS

31.7.56					
£				£	£
	COLLEGE GENERAL CAPITAL ACCOUNT			1,224,835	
	Add Capital Grants:				
	32 and 34 Fitzroy Street			5,000	
	27 Cartwright Gardens			2,050	
				1,231,885	
	Less Stamp duty refunded			423	
1,224,835				1,231,462	
			£		
15,226	*Less* Bentham Hall Amortization		18,601		
334	11 Chester Terrace Amortization		445		
(15,560)				19,046	
1,209,275					1,212,416
31,931	REDEMPTION FUNDS				35,638
225,849	SUNDRY FUNDS				269,171
9,545	*Income and Expenditure Account*				—
1,476,600					1,517,225
60,216	LOANS				56,610
115,001	UNEXPENDED BALANCES				190,137
185,694	CURRENT LIABILITIES				146,911
1,837,511					1,910,883
976,998	TRUST FUNDS : Liabilities and Capital				986,692

NOTES

1. The values at which College Freehold Lands, Buildings, Furniture and Library (£1,277,549), College Leasehold Property (£26,336) and Rehabilitation and Development Account (£237,037) appear in the Balance Sheet will be subject to adjustment on final settlement of War Damage claims.

2. Expenditure shown in the Income and Expenditure Account (pages 84-85) includes net unexpended balances of grants from University Court amounting to £14,694.

£2,814,509	£2,897,575

We have audited the above balance sheet and the annexed income and expenditure true and fair view of the state of affairs of University College London at 31 July 1957, expended during the year out of non-recurrent grants and other funds administered

3, Frederick's Place, Old Jewry, London, E.C.2.
30 November 1957

AS AT 31 JULY 1957

ASSETS AND REHABILITATION AND DEVELOPMENT EXPENDITURE

31.7.56					
£			£	£	£
1,272,726	COLLEGE FREEHOLD LANDS, BUILDINGS, FURNITURE, AND LIBRARY				1,277,549
	COLLEGE LEASEHOLD PROPERTY		£		
14,754	37 and 38 Nevern Square		14,759		
344	*Less* Leasehold Depreciation		400		
(14,410)				14,359	
29,529	Bentham Hall (27, 31–44 Cartwright Gardens) ..		29,576		
15,226	*Less* Amortization		18,601		
(14,303)				10,975	
1,447	11 Chester Terrace (Lease expiring 5 July 1966) ..		1,447		
334	*Less* Amortization		445		
(1,113)				1,002	
(29,827)					26,336
1,302,552					1,303,885
	REHABILITATION AND DEVELOPMENT ACCOUNT				
223,059	Payments, less receipts to date, on account of capital works in progress, deferred expenditure and expenditure on reconstruction of properties damaged by enemy action				237,037
	INVESTMENTS				
188,335	General College and Redemption Funds			246,176	
23,000	*Less* Depreciation			22,000	
(165,335)	(Market Value 31 July 1957, £224,452)				224,176
29,614	EXPENDITURE RECOVERABLE FROM FUTURE GRANTS				27,824
116,951	CURRENT ASSETS including prepayments				117,961
1,837,511					1,910,883
976,998	TRUST FUNDS : Assets				986,692
£2,814,509					£2,897,575

account. In our opinion (*a*) the said accounts give, subject to the above notes, a and of the income and expenditure for the year ended on that date : (*b*) moneys by the College for specific purposes have been properly applied to those purposes.

[Signed] PRICE WATERHOUSE & Co.
Chartered Accountants

EXPENDITURE

1955–56 £		£	1956–57 £
	ADMINISTRATION		
57,709	Salaries	61,573	
3,659	Payments for Superannuation	3,723	
22,267	Advertising, Printing, Stationery, Postage, and Telephone	24,830	
2,522	Other Expenses (including Audit and Legal Fees)	3,154	
(86,157)			93,280
	DEPARTMENTAL MAINTENANCE		
537,812	Salaries of Teaching Staff	561,121	
47,636	Payments for Superannuation	50,267	
145,242	Departmental Wages (including Superannuation)	165,442	
116,774	Departmental and Laboratory Maintenance	119,982	
48,626	Libraries	51,710	
(896,090)			948,522
	MAINTENANCE OF PREMISES		
23,979	Rates and Insurance	26,878	
41,245	Heat, Light, Water, and Power	42,916	
64,703	Ordinary Repairs and General Maintenance of Buildings	75,643	
22,782	Wages of Porters and Attendants (including Superannuation)	26,177	
(152,709)			171,614
	MISCELLANEOUS EXPENDITURE		
5,665	Pensions for Retired Members of Staff	5,850	
194	Grants from Benevolent Fund	340	
43	Examiners' Fees	113	
2,852	Interest on Overdrafts, Mortgages, etc.	3,968	
12,523	Scholarships and Prizes	11,926	
12,322	Grants to Students' Societies	18,100	
	Deficits on Income and Expenditure Accounts for Halls of Residence, Refectories, etc.:		
237	Staff Accommodation	153	
	Refectory:	£	
750	Subvention	750	
2,300	Loss written off	5,239	
		5,989	
	OTHER EXPENDITURE		
1,227	Salaries of Wardens of Halls of Residence	993	
68	Payments for Superannuation	55	
		1,048	
	Rent and other Payments for Use of Buildings:		
3,081	Halls of Residence	2,610	
1,556	Other Buildings	1,013	
		3,623	
10,620	Other Items	12,397	
(53,438)			63,507
	CAPITAL EXPENDITURE MET FROM INCOME		
2,466	Mortgage Loan on Gordon Street Frontage		2,534
	Allocations to Reserves		
1,200	*Electric Wiring Replacement*		—
			1,279,457
4,508	*Excess of Income over Expenditure for the year*		—
£1,196,568			£1,279,457
—	Excess of Expenditure over Income for the year		14,478
9,545	*Balance carried to Balance Sheet*		—
£9,545			£14,478

INCOME

1955–56 £		£	1956–57 £
	ENDOWMENTS		
42,247	Income appropriated to meet expenditure for particular purposes specified by Trust	46,613	
640	Income appropriated to meet expenditure on general purposes (Bawden Fund)	640	
(42,887)			47,253
	DONATIONS AND SUBSCRIPTIONS : Appropriated for :		
751	Special Purposes	805	
5,597	Scholarships and Bursaries	4,356	
(6,348)			5,161
	GRANTS		
	From University Court	985,394	
	Earmarked Grant for Academic Salary Increases	76,160	
	Scheme for the Alleviation of Superannuation Hardship ..	1,697	
1,003,655			1,063,251
	FEES		
123,621	General	132,991	
775	Examination and Registration Fees	736	
390	Exhibition Bursaries and Special Fee Remissions	405	
(124,786)			134,132
1,995	CONTRIBUTIONS FOR SERVICES RENDERED		1,991
	SURPLUS FROM INCOME AND EXPENDITURE ACCOUNTS FOR COLLEGE PROPERTIES, HALLS OF RESIDENCE, REFECTORIES, ETC.		
3,400	College Properties		1,508
13,497	OTHER ITEMS		11,683

NOTE

In addition to the income and expenditure shown in this account, sums totalling £97,657 were spent on Extra-budgetary activities. Grants to cover this expenditure have been or will be received.

			1,264,979
—	Excess of Expenditure over Income for the year		14,478
£1,196,568			£1,279,457
4,508	*Excess of Income over Expenditure for the year*		—
2,500	*Seamen's Hospital Reserve released*		—
—	Science and Technology Reserve released		2,478
2,537	Balance brought forward from previous year		9,545
—	Transfer from Reserve Fund—General		2,455
£9,545			£14,478

PAYMENTS

Item	Projects	1941–56 £	1956–57 £	Total £
	COMPLETED PROJECTS AS AT 1 AUGUST 1956	664,134	—	664,134
	PROJECTS COMPLETED DURING THE YEAR			
1	Repairs to Back Walls, 28–29 Cartwright Gardens ..	—	2	2
2	Bentham Hall—Alterations	—	15	15
3	Electricity Sub-Station—88A Gower Street	—	3	3
4	Lavatory Accommodation—Foster Court	995	—	995
5	Physics Dept.—Fire Escape	11	100	111
6	Electronic Workshop	4,838	164	5,002
7	Botany—New Laboratory	—	22	22
8	Squash Court Site	5,728	2	5,730
9	17–18 Gordon Square	10,174	—	10,174
10	Sundry Works—Departments of Physiology, Biochemistry, Pharmacology and Biophysics	3,355	—	3,355
11	Campbell Hall—Alterations	56,177	100	56,277
12	Chemistry Department—Alterations	1,742	—	1,742
13	44 Cartwright Gardens—Conversion	9,556	3	9,559
14	Conversions—South Wing	8,334	—	8,334
15	Chemistry Drains	436	—	436
16	11 Chester Terrace—Alterations, Redecorations and Furnishings	6,607	6	6,613
17	Conversion of East Reading Room, Foster Court, into Botany Laboratory	2,580	—	2,580
18	Quadrangle Lighting	88	—	88
19	Egyptology Showcases	5,700	356	6,056
20	Refectory Equipment	20,246	73	20,319
21	Reconstruction of Main Building	585,918	23,491Cr	562,427
	Total Completed Works	1,386,619	22,645Cr	1,363,974
	WORKS IN PROGRESS			
22	Preparation of Plans for Reconstruction of College ..	60,618	23,450	84,068
23	Arrears of Maintenance	63,946	—	63,946
24	Botany Greenhouse	448	—	448
25	War Damage Repairs	43,991	—	43,991
26	Furniture for New Library	24,793	—	24,793
27	Hostels Development Scheme	20	4	24
28	New Physics Building	276,568	17,827	294,395
29	Preparation of Plans for College Development ..	45,255	10,093	55,348
30	Gower Street Front	17,892	2,421	20,313
31	New Library Building	—	21,112	21,112
32	Animal House—Stage II	719	15	734
33	Observatory—Foundations, Equipment and Library Building	8,985	—	8,985
34	Equipment for Main Building	70,105	2,683	72,788
35	Departmental Apparatus and Equipment	84,293	3,423	87,716
36	Biological Sciences Block	248,325	174,370	422,695
37	Chemistry Light Storey	69,322	657	69,979
38	Seamen's Hospital	3,783	33,003	36,786
39	Electronic Computor for Physics	5,472	816	6,288
	Carried forward..	£1,024,535	£289,874	£1,314,409

RECEIPTS

Item	War Damage £	College Funds £	Miscellaneous Sources £	Capital Grants £	Total £	Balance £
	39,003	25,765	10,164	583,217	658,149	5,985
1	—	—	—	—	—	2
2	—	—	—	—	—	15
3	—	—	—	—	—	3
4	—	—	—	992	992	3
5	—	—	—	111	111	—
6	—	—	—	5,000	5,000	2
7	—	—	—	—	—	22
8	5,684	46	—	—	5,730	—
9	—	—	—	10,140	10,140	34
10	—	—	—	3,322	3,322	33
11	—	—	—	55,814	55,814	463
12	—	—	—	1,800	1,800	58 Cr
13	—	—	96	9,459	9,555	4
14	—	—	—	8,334	8,334	—
15	—	—	—	436	436	—
16	—	—	—	6,400	6,400	213
17	—	—	—	2,579	2,579	1
18	—	—	88	—	88	—
19	—	—	6,056	—	6,056	—
20	—	3,405	—	16,900	20,305	14
21	363,342	—	—	199,085	562,427	—
	408,029	29,216	16,404	903,589	1,357,238	6,736
22	14,331	—	—	54,309	68,640	15,428
23	—	6,769	1,378	55,798	63,945	1
24	—	—	—	—	—	448
25	44,112	—	—	—	44,112	121 Cr
26	—	—	—	23,000	23,000	1,793
27	—	—	—	—	—	24
28	—	—	—	235,882	235,882	58,513
29	—	—	(46,983)	—	(46,983)	8,365
30	—	—	—	—	—	20,313
31	—	—	—	—	—	21,112
32	—	—	—	—	—	734
33	—	—	—	9,061	9,061	76 Cr
34	1,882	—	—	66,130	68,012	4,776
35	—	2,706	—	80,974	83,680	4,036
36	—	—	502	378,854	379,356	43,339
37	—	—	67,338	—	67,338	2,641
38	—	—	6,615	30,007	36,622	164
39	—	—	—	6,030	6,030	258
	60,325	9,475	122,816	940,045	1,132,661	181,748

( ) Amounts transferred between works.

PAYMENTS (continued)

Item	*Projects*	1941–56 £	1956–57 £	*Total* £
	Brought forward	1,024,535	289,874	1,314,409
40	Refectory Improvements	234	—	234
41	Alterations and Furnishings for C. & M. Engineering, Electrical Engineering and Geography	4,135	378	4,513
42	Furniture for new Botany Laboratory	3,053	65	3,118
43	Flaxman Terrace—Conversion	43,329	4,448	47,777
44	College Water Supplies	6,777	—	6,777
45	New Refectory Accommodation	1,718	—	1,718
46	Sound Proofing Floors and Animal Cages	605	286	891
47	19 Gordon Square—Conversion	8,566	328	8,894
48	Chemistry Water Supplies..	406	5,121	5,527
49	Non-Academic Staff Room Alterations	36	3,215	3,251
50	20–23 Gordon Square—Conversion	15,293	9,228	24,521
51	Library Bindery	11	1,165	1,176
52	27 Cartwright Gardens—Conversion	—	5,300	5,300
53	16 Gordon Square	—	81	81
54	Removal Telephone Switchboard	—	1,074	1,074
55	New Engineering Building	205	9,875	10,080
56	Room for Accounts Department	—	281	281
57	33–35 Torrington Place—Conversion	—	8,230	8,230
58	New Steam Mains	—	1,350	1,350
59	Chemistry Department Alterations	—	2,050	2,050
60	22 Gordon Square—Conversion	—	4,075	4,075
61	Shenley Athletic Ground	—	9,908	9,908
62	Removal Egyptology Department	—	423	423
63	Engineering Top Storey	—	3,874	3,874
64	Architects fees Suspended Works..	—	12,638	12,638
65	Alterations to Physiology	—	337	337
66	Great Hall Site	413	—	413
67	Miscellaneous Works in Progress..	26	—	26
	Total Works in Progress	1,109,342	373,604	1,482,946
	Total all Works	2,495,961	350,959	2,846,920

Receipts up to 31 July, 1956

RECEIPTS (continued)

Item	*War Damage* £	*College Funds* £	*Miscellaneous Sources* £	*Capital Grants* £	*Total* £	*Balance* £
	60,325	9,475	122,816	940,045	1,132,661	181,748
40	—	—	—	—	—	234
41	—	1,076	—	—	1,076	3,437
42	—	—	—	2,993	2,993	125
43	—	—	1,033	46,371	47,404	373
44	—	—	—	6,506	6,506	271
45	—	—	—	—	—	1,718
46	—	—	—	—	—	891
47	—	—	—	8,365	8,365	529
48	—	—	—	4,587	4,587	940
49	—	—	1,917	—	1,917	1,334
50	—	—	—	24,182	24,182	339
51	—	—	—	—	—	1,176
52	—	—	21	3,058	3,079	2,221
53	—	—	1,315	—	1,315	1,234 Cr
54	—	—	—	—	—	1,074
55	—	—	6,980	—	6,980	3,100
56	—	—	—	—	—	281
57	—	—	—	8,230	8,230	—
58	—	—	—	1,350	1,350	—
59	—	—	—	900	900	1,150
60	—	—	1,100	—	1,100	2,975
61	—	—	—	—	—	9,908
62	—	—	—	—	—	423
63	—	—	—	—	—	3,874
64	—	—	—	—	—	12,638
65	—	—	—	—	—	337
66	—	—	—	—	—	413
67	—	—	—	—	—	26
	60,325	10,551	135,182	1,046,587	1,252,645	230,301
	468,354	39,767	151,586	1,950,176	2,609,883	237,037
	455,906	*36,308*	*109,230*	*1,671,459*	*2,272,903*	*223,059*

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